

April 14, 2005

Ms. Heesu Park
California Regional Water Quality Control Board, Los Angeles Region (4)
320 West 4th Street, Suite 200
Los Angeles, California 90013


Subject: **TRANSMITTAL OF SITE ASSESSMENT REPORT FOR
EXXONMOBIL OIL CORPORATION SERVICE STATION #18-MF0
15757 PARAMOUNT BOULEVARD, PARAMOUNT, CALIFORNIA**

Dear Ms. Park:

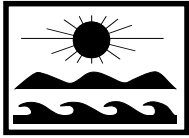
Please find enclosed a copy of the site assessment report dated April 14, 2005, for the above-referenced site. This report has been prepared in accordance with the CRWQCB-LAR letter dated November 16, 2004, by Holguin, Fahan & Associates, Inc. (HFA), under the direction of ExxonMobil Oil Corporation.

If you have any questions or require additional information, please contact Mr. James Anderson of HFA at (805) 585-6371, or the undersigned at (310) 212-2904.

Sincerely,

A handwritten signature in cursive script, reading "Jenée M. Briggs".

Jenée Briggs
Project Manager
ExxonMobil Oil Corporation



HOLGUIN, FAHAN & ASSOCIATES, INC.

ENVIRONMENTAL

MANAGEMENT

CONSULTANTS

April 14, 2005

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Subject: **TRANSMITTAL OF SITE ASSESSMENT REPORT FOR
EXXONMOBIL OIL CORPORATION SERVICE STATION #18-MF0
15757 PARAMOUNT BOULEVARD, PARAMOUNT, CALIFORNIA**

Dear Ms. Park:

On behalf of ExxonMobil Oil Corporation (ExxonMobil), Holguin, Fahan & Associates, Inc. (HFA) transmits a copy of HFA's site assessment report for the above-referenced site.

Holguin, Fahan & Associates, Inc. trusts that this information meets your requirements. If you have any questions or require additional information, please contact Mr. James Anderson of HFA at (805) 585-6371, or James_Anderson@hfa.com

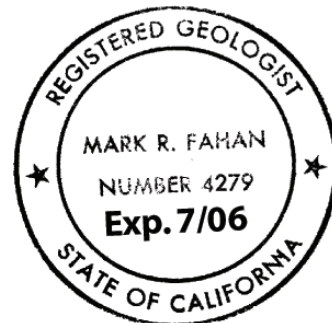
Respectfully submitted,

James Anderson, REA
Associate Engineer
Holguin, Fahan & Associates, Inc.

Mark R. Fahan RG, REA
Vice President
Holguin, Fahan & Associates, Inc.

JDA:kdh:dm:mrf:nd

cc: Ms. Jenee Briggs, ExxonMobil



ENVIRONMENTAL: SCIENTISTS • GEOLOGISTS • ENGINEERS
Contaminated Site Assessment • Site Remediation • Mobile Remediation • CPT Service • Groundwater Monitoring

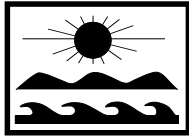
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ENVIRONMENTAL MANAGEMENT CONSULTANTS

SITE ASSESSMENT REPORT

**EXXONMOBIL OIL CORPORATION
FORMER SERVICE STATION #18-MFO
15757 PARAMOUNT BOULEVARD
PARAMOUNT, CALIFORNIA**

APRIL 14, 2005

Client: ExxonMobil Oil Corporation
3700 West 190th Street, TPT #2
Torrance, California 90504

Contact: Ms. Jenée Briggs
(310) 212-2904

Consultant: Holguin, Fahan & Associates, Inc.
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Project Manager: James Anderson, REA
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LIST OF ACRONYMS

AB2886	California State Assembly Bill 2886
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CDWR	California Department of Water Resources
CRWQCB-LAR	California Regional Water Quality Control Board, Los Angeles Region (4)
DIPE	diisopropyl ether
DOT	Department of Transportation
EPA	Environmental Protection Agency
ETBE	ethyl tertiary butyl ether
fbg	feet below grade
ft-TOC	feet below top of casing
ID	identification
J	estimated value less than reporting limit and greater than method detection limit
LACDHS	Los Angeles County Department of Health Services
LACDPW	Los Angeles County Department of Public Works
mg/kg	milligrams per kilogram
MSL	mean sea level
MTBE	methyl tertiary butyl ether
N/A	not applicable
ND	not detected at a concentration above the reporting limit
No.	number
OD	outer diameter
PSH	phase-separated hydrocarbons
PVC	polyvinyl chloride
SB989	California State Senate Bill 989
TAME	tertiary-amyl methyl ether
TBA	tertiary-butyl alcohol
TPH	total petroleum hydrocarbons
USGS	United States Geological Survey
UST	underground storage tank
VOA	volatile organic analysis
µg/l	micrograms per liter
<#	not detected at the reporting limit indicated



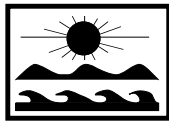
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INTRODUCTION

Holguin, Fahan & Associates, Inc. (HFA) was contracted by ExxonMobil Oil Corporation (ExxonMobil) to perform a site assessment at ExxonMobil Former Service Station #18-MF0, located at 15757 Paramount Boulevard, Paramount, California (see Figure 1 - Site Location Map). The assessment was performed to further investigate the crossgradient and downgradient extents of dissolved-phase MTBE. The site assessment was conducted in accordance with HFA's work plan for additional site assessment activities dated August 25, 2004, which was approved by the CRWQCB-LAR in its letter dated November 16, 2004 (see Appendix 1 for the regulatory correspondence).

The responsible party contact is Ms. Jenee Briggs, ExxonMobil Oil Corporation, 3700 West 190th Street, TPT #2, Torrance, California 90504, (310) 212-2904. The environmental consultant contact is Mr. James Anderson, Holguin, Fahan & Associates, Inc., 143 South Figueroa Street, Ventura, California, 93001, (805) 585-6371. The regulatory agency contact is Ms. Heesu Park, California Regional Water Quality Control Board, Los Angeles Region (4), 320 West 4th Street, Suite 200, Los Angeles, California, 90013, (213) 576-6705.



BACKGROUND

SITE DESCRIPTION

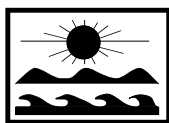
ExxonMobil Former Service Station #18-MF0 is located at 15757 Paramount Boulevard, on the northwestern corner of the intersection of Alondra Boulevard and Paramount Boulevard, in the city of Paramount, California (see Figure 1). The surrounding areas consist of light commercial and residential properties. An ARCO brand service station is located across the intersection to the southeast (see Figure 2 - Site Vicinity Map). The subject site was divested by ExxonMobil in June 2002, and is currently an active Fuel for Less brand gasoline station, which includes three 10,000-gallon gasoline USTs; one 10,000-gallon diesel UST; three dispenser islands; associated product and vent piping; a station building; and a car wash (see Figure 3 - Plot Plan for the facility locations).

SITE HYDROGEOLOGY

The site is located at an elevation of 70 feet above MSL, and the local topography slopes toward the south (USGS, 1967). The site lies in the Downey Plain portion of the Central Basin Pressure Area of the Los Angeles Coastal Plain (CDWR, 1961). Surface waters in the site vicinity drain as part of the watershed of the Lower Los Angeles River (CRWQCB-LAR, 1994). The nearest bodies of surface water are the Los Angeles River, located 1.5 miles to the west, and the San Gabriel River, located 2 miles to the east (USGS, 1967).

Near surface soil in the site vicinity consists of an estimated 150 feet of Recent alluvium, deposited by the Los Angeles and San Gabriel Rivers. Within the alluvium occurs the Bellflower Aquiclude, estimated to be 110 feet thick, the Semi-Perched Aquifer in the more permeable regions of the Aquiclude, and the regional Gaspar Aquifer, the top of which occurs at approximately 120 fbg (CDWR, 1961). Assessment activities indicate that the alluvium beneath the site consists of sand from the surface to 15 fbg, clayey silt and silt from 15 to 30 fbg, and silty sand and sandy silt from 30 to 50 fbg, the maximum depth investigated (see Appendix 2 for the logs of exploratory borings) (HFA, 2003).

The site is located in the Central Groundwater Basin of the Los Angeles-San Gabriel Hydrographic Unit. According to the CRWQCB-LAR, groundwater within the basin has existing beneficial use for municipal, industrial, and agricultural purposes (CRWQCB-LAR, 1994). During the first quarter 2005 groundwater monitoring event performed on February 25, 2005, the depth to groundwater in the wells ranged from 18.05 to 20.30 ft-TOC, and the groundwater flow direction was to the northwest with a horizontal gradient of 0.002 (see Figure 4 - Groundwater Elevation Contour Map for First Quarter 2005) (HFA, 2005). First groundwater is interpreted to be within the Semi-Perched Aquifer of the Bellflower Aquiclude (CDWR, 1961).



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Site Assessment Report
ExxonMobil Former Service Station #18-MF0
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Based on information provided by the LACDPW Hydrologic Records Section, six groundwater production wells were identified within 1 mile of the site (LACDPW, 2002).

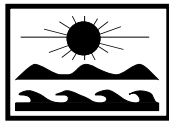
WELL #	DISTANCE FROM SITE	USE	OWNER	TOTAL DEPTH (fbg)
942H	3,700 feet southeast	Irrigation Supply (Private)	George Yamamoto	147
932E	4,500 feet south-southwest	Industrial Supply	Ohio Rubber Company	222
920A	5,000 feet northwest	Irrigation Supply (Private)	Sal Gutierrez	150
921D	1 mile west	Municipal Supply	City of Signal Hill	405
921N	1 mile west	Municipal Supply	City of Signal Hill	950
922E	1 mile southwest	Industrial Supply	Southern California Edison	676

PREVIOUS WORK

In 1987, the first generation of gasoline USTs was removed, and residual adsorbed-phase hydrocarbons were detected beneath the former USTs and the southern dispenser island (see Figure 3)(Alton Geoscience [Alton], 1993).

In 1990, the second generation of gasoline USTs was removed, and an unknown volume of soil was excavated from the northeastern portion of the former UST cavity (see Figure 3)(Alton, 1993).

Multiple phases of assessment and quarterly groundwater monitoring were conducted from 1992 to 1996. These activities indicated that residual adsorbed-phase hydrocarbons, and



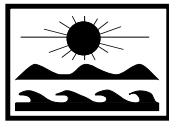
dissolved-phase benzene and MTBE were localized to the vicinity of the two former UST cavities (see Figure 3) (Alton, 1993; TRAK Environmental Group, 1996).

The site was granted closure by the CRWQCB-LAR in 1996 and all wells were abandoned.

In July 2003, an SB989 facility upgrade was performed by the current owner of the fueling facilities. Laboratory analytical results for the compliance soil samples collected from beneath the dispensers and product piping at 4 fbg indicated no detections of TPH as gasoline, benzene, or MTBE (A.C.C.E.S, Inc., 2003).

Multiple phases of assessment have been conducted from 2002 to 2004, which include the advancement of four direct-push sampling locations (B-1 through B-4) and the installation of four groundwater monitoring wells (MW-1R through MW-4R). Results of the assessment indicated TPH as gasoline, benzene and MTBE concentrations up to 5.0, 0.0049, and 5.9 mg/kg, respectively, with adsorbed-phase MTBE localized to the vicinity of the current USTs in the capillary fringe and upper saturated zones (20 to 25 fbg) (see Figure 5 - Adsorbed-Phase Hydrocarbon Concentrations, and Table 1 - Summary of Soil Sample Analytical Results) (HFA, 2002; HFA, 2003).

Quarterly groundwater monitoring has been performed at the site since the fourth quarter of 2003. PSH has never been detected. Dissolved-phase benzene and TPH as diesel have not been detected for any of the monitoring wells. Dissolved-phase TPH as gasoline, MTBE, and TBA concentrations are localized to the wells in the vicinity of the current USTs, with the maximum concentrations consistently measured for the well located directly downgradient (well MW-4R) (see Figure 6 - Benzene Concentrations in Groundwater for First Quarter 2005, Figure 7 - MTBE/TBA Concentrations in Groundwater for First Quarter 2005, and Table 2 - Summary of Groundwater Sample Analytical Results) (HFA, 2005).



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Site Assessment Report
ExxonMobil Former Service Station #18-MF0
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SITE EVALUATION METHODS AND RESULTS

ASSESSMENT STRATEGY

Groundwater monitoring wells MW-5 and MW-7 were installed off-site to delineate the downgradient extent of dissolved-phase MTBE, and well MW-6 was installed on-site, south of the current USTs, to further investigate the crossgradient extent of dissolved-phase MTBE (see Figure 3).

PRE-FIELD ACTIVITIES

A geophysical survey was conducted to identify substructures in the vicinity of the proposed drilling locations. Underground Service Alert of Southern California was notified at least 48 hours prior to conducting the work. The drilling locations were cleared to 8 fbg using an air knife and vacuum rig in accordance with ExxonMobil protocols. An encroachment permit was obtained from the County of Los Angeles for well MW-7, installed in the alley to the west of the site (see Appendix 3 for a copy of the permit).

SOIL CHARACTERIZATION AND SAMPLING RESULTS

On February 15 and 16, 2005, HFA installed three groundwater monitoring wells (MW-5 through MW-7) using a hollow-stem auger rig (see Figure 3 for the well locations, and Appendix 4 for the procedures). Groundwater monitoring wells MW-5 through MW-7 were drilled to 40 fbg, approximately 20 feet below the historical stabilized groundwater level.

Soil samples were collected at 5-foot intervals for geologic logging to the total depth of wells MW-5 through MW-7 (see Appendix 2). The subsurface soils encountered during this investigation consisted of interbedded layers of sand, silty sand, and silt from the surface to 40 fbg, the maximum depth investigated (see Appendix 2). Groundwater was encountered at 19.5 fbg during the drilling operations.

Selected soil samples were collected using methanol preserved VOAs in accordance with EPA Method 5035 and submitted to TestAmerica Analytical Testing Corporation (TestAmerica), a California State certified hazardous material testing laboratory. The samples were analyzed for TPH as gasoline using EPA Method 8015B and for BTEX, MTBE, TBA, TAME, DIPE, ETBE, and ethanol using EPA Method 8260B. The analytical data will be electronically reported to the GeoTracker information system in accordance with AB2886 requirements.

Laboratory analytical results for the soil samples collected from wells MW-5 through MW-7 indicated maximum benzene and MTBE concentrations of 0.0009J and 0.0830 mg/kg,



respectively, and no detections of TPH as gasoline (see Table 1, and Appendix 5 for the laboratory reports).

GROUNDWATER CHARACTERIZATION AND SAMPLING RESULTS

Groundwater monitoring wells MW-5 through MW-7 were completed with 4-inch-OD PVC casings, and screened from 10 to 40 fbg (see Appendix 2 for the well construction details, and Appendix 4 for the procedures). The wells were developed by surging to settle the gravel packs. A well installation permit was obtained from the LACDHS (see Appendix 6 for the well installation permit). The wells were surveyed in accordance with AB2886 requirements.

The first quarter 2005 groundwater monitoring event was conducted on February 25, 2005. The depth to groundwater in the wells ranged from 18.05 to 20.30 ft-TOC, and the groundwater flow direction was to the northwest with a gradient of 0.002 (see Figure 4 and Table 2) (HFA, 2005).

The groundwater samples were submitted to TestAmerica, where they were analyzed for TPH as gasoline using EPA Method 8015B and for BTEX, MTBE, TBA, TAME, DIPE, ETBE, and ethanol using EPA Method 8260B. Laboratory analytical results for the groundwater samples collected from wells MW-1 through MW-7 indicated TPH as gasoline, MTBE, and TBA concentrations up to 34,000; 41,800 and 23,100 $\mu\text{g/l}$, respectively, and no detections of benzene. The maximum concentrations were detected for wells MW-4R and MW-6, located adjacent to the current USTs (see Figure 6, Figure 7, and Table 2) (HFA, 2005).

WASTE MANAGEMENT

Soil cuttings and decontamination water were temporarily stored on-site in 55-gallon DOT-approved drums, pending receipt of laboratory analytical results. The soil and groundwater wastes were transported off-site by Philip Services Corporation (PSC Industrial Outsourcing Group) for recycling at TPS Technologies and Crosby & Overton, respectively (see Appendix 7 for the waste manifests - PENDING).



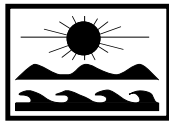
SUMMARY AND CONCLUSIONS

Soil beneath the site consists of Recent alluvium composed of sand from the surface to 15 fbg, clayey silt and silt from 15 to 30 fbg, and silty sand and sandy silt from 30 to 50 fbg, the maximum depth investigated. First groundwater occurs at an average depth of 19.5 fbg and is interpreted to be within the Semi-Perched Aquifer of the Bellflower Aquiclude.

A review of sensitive receptors identified six groundwater production wells within 1 mile of the site, the closest of which is located 3,700 feet to the southeast.

Results of the current assessment indicated maximum benzene and MTBE concentrations of 0.0009J and 0.0830 mg/kg, respectively, and no detections of TPH as gasoline. Assessment activities have only indicated trace concentrations of adsorbed-phase TPH as gasoline and BTEX hydrocarbons, and that MTBE is localized to the vicinity of the current USTs in the capillary fringe and upper saturated zones

During the first quarter 2005 groundwater monitoring event, the groundwater flow direction was to the northwest with a gradient of 0.002. TPH as gasoline, MTBE, and TBA were measured at maximum concentrations of 34,000; 41,800 and 23,100 $\mu\text{g/l}$, respectively. The highest dissolved-phase hydrocarbon concentrations were measured for the wells located adjacent to the current USTs.



REFERENCES

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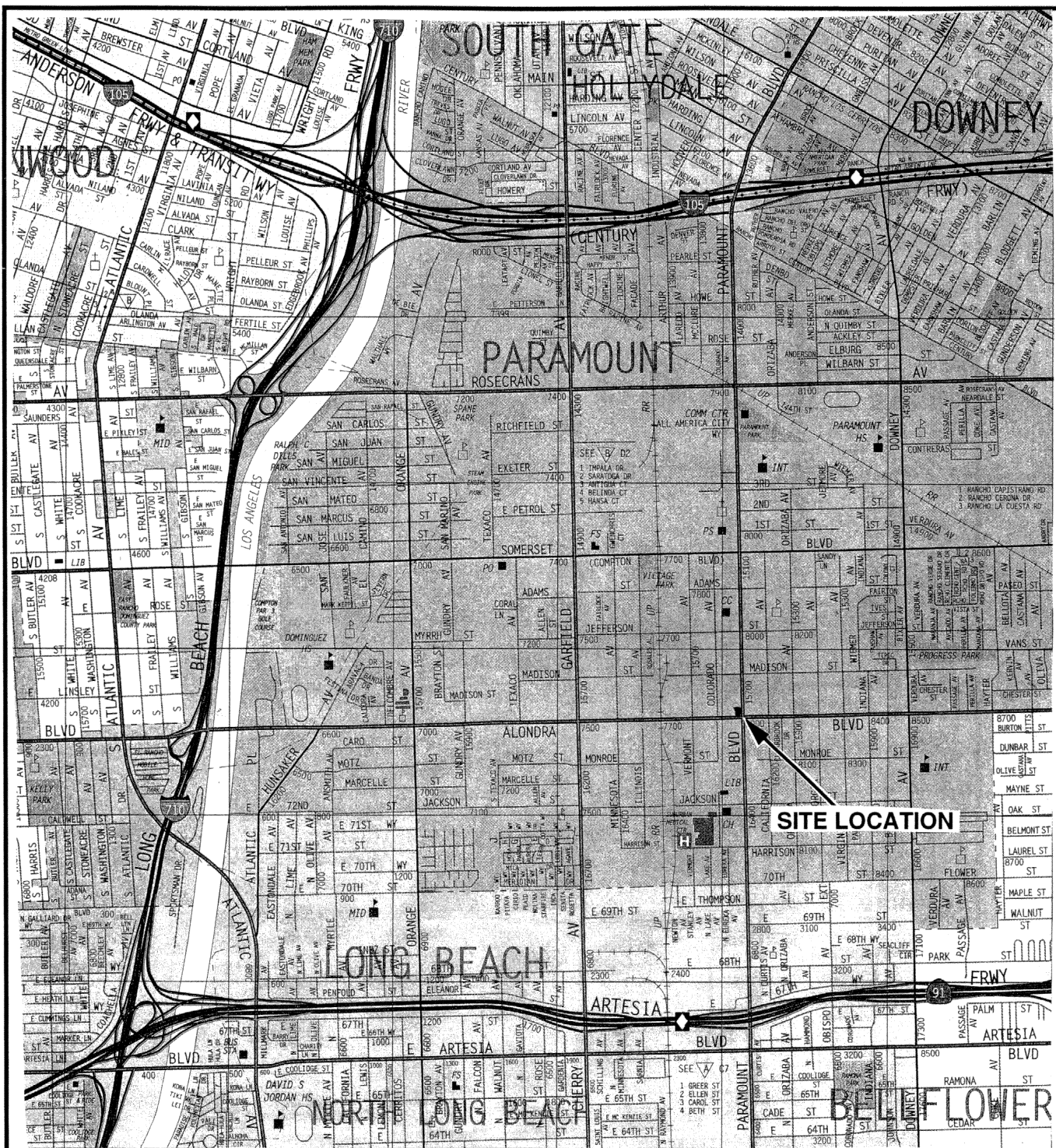
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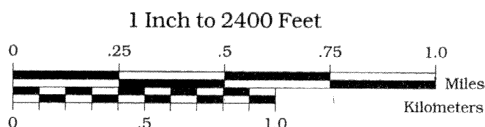
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FIGURES



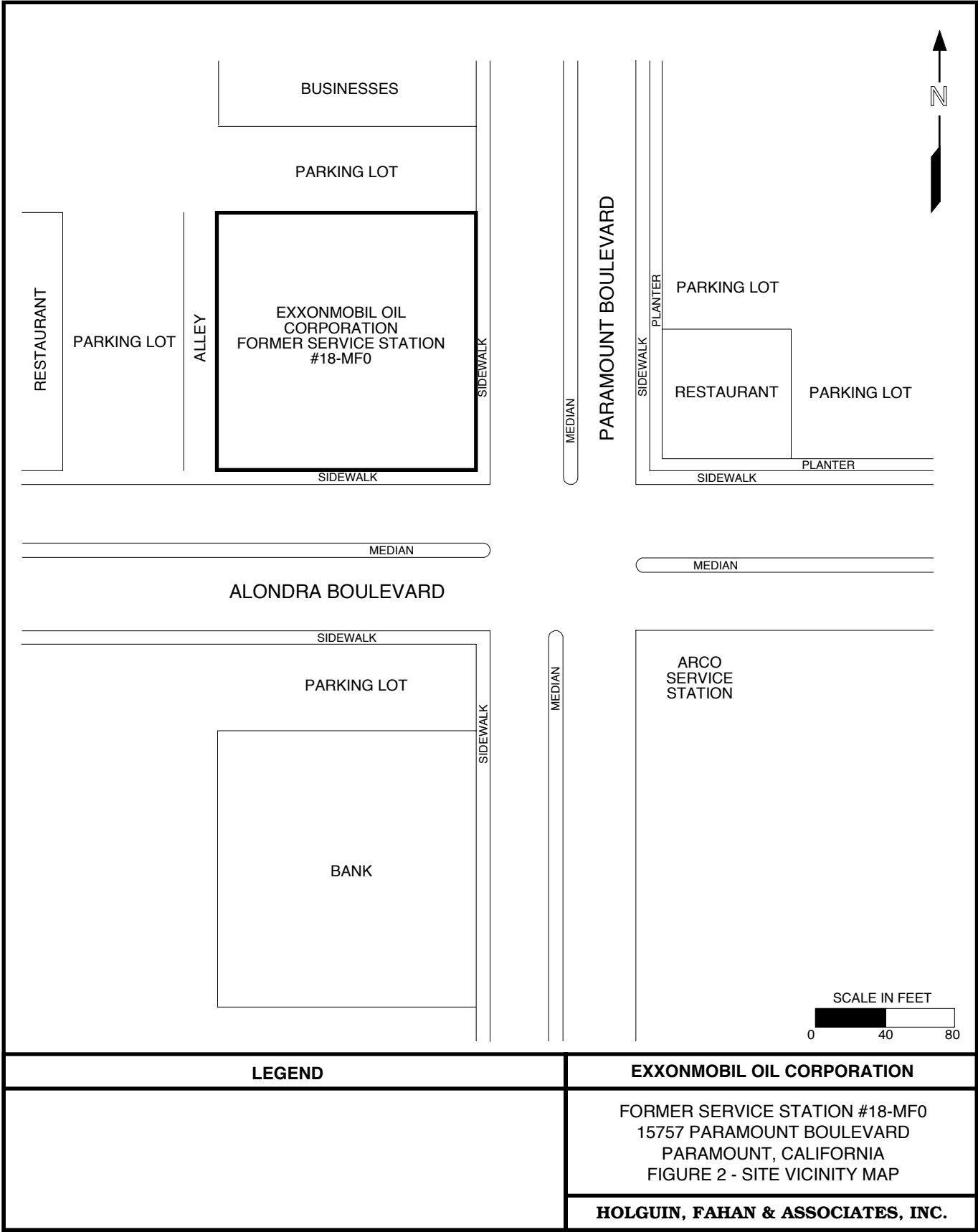
LEGEND

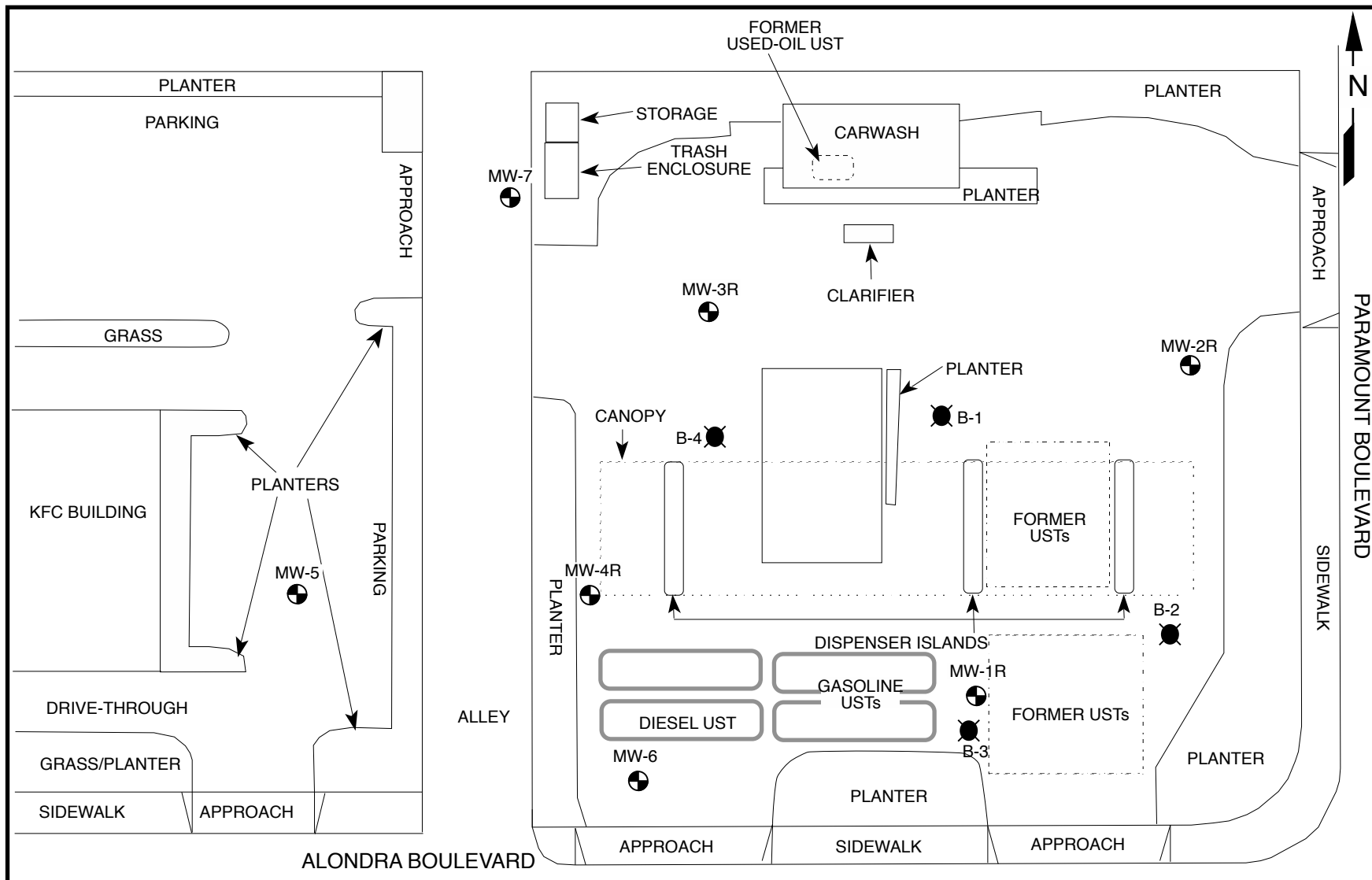





EXXONMOBIL OIL CORPORATION

SERVICE STATION #18-MF0
15757 PARAMOUNT BOULEVARD
PARAMOUNT, CALIFORNIA
FIGURE 1 - SITE LOCATION MAP

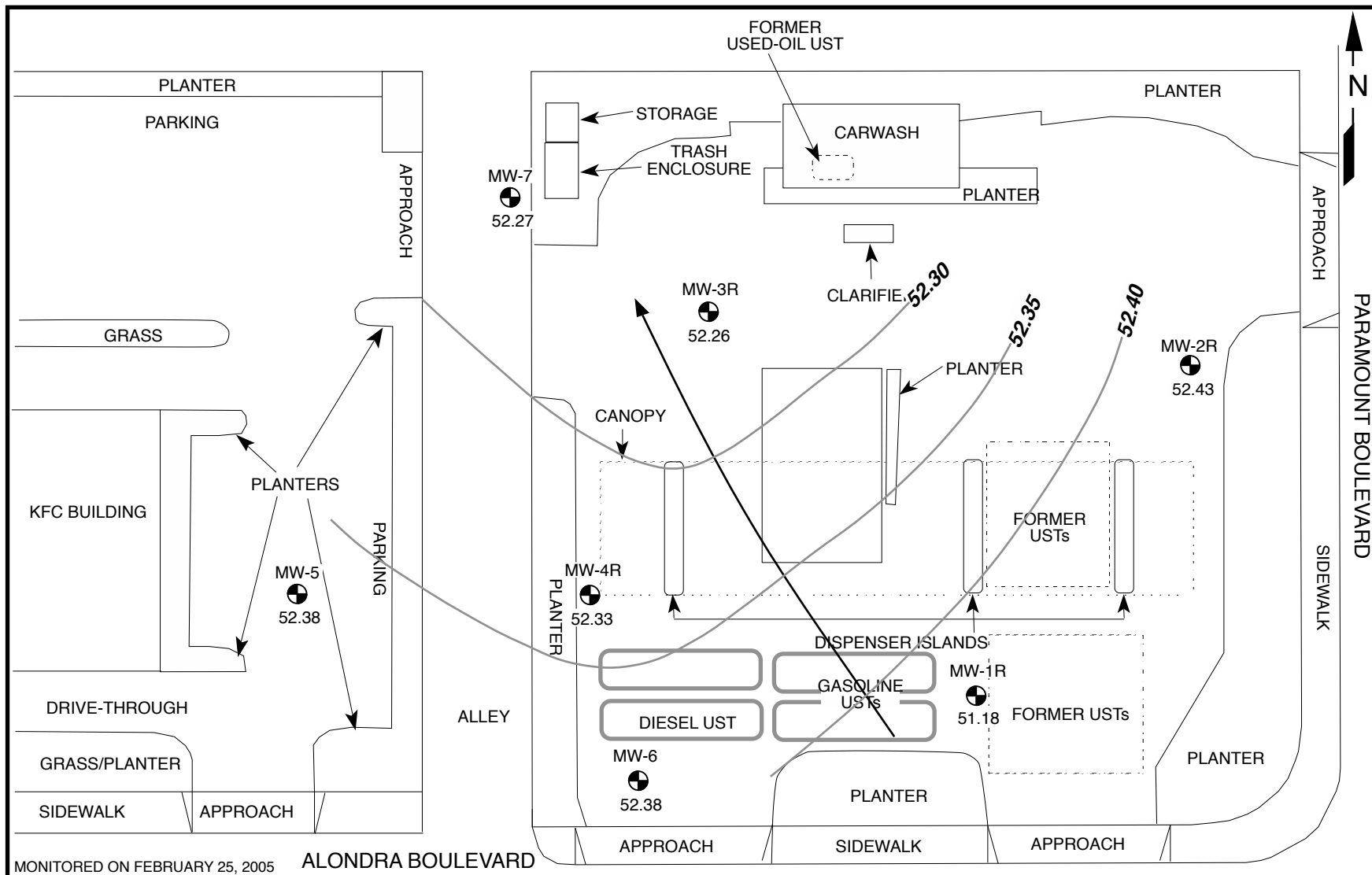
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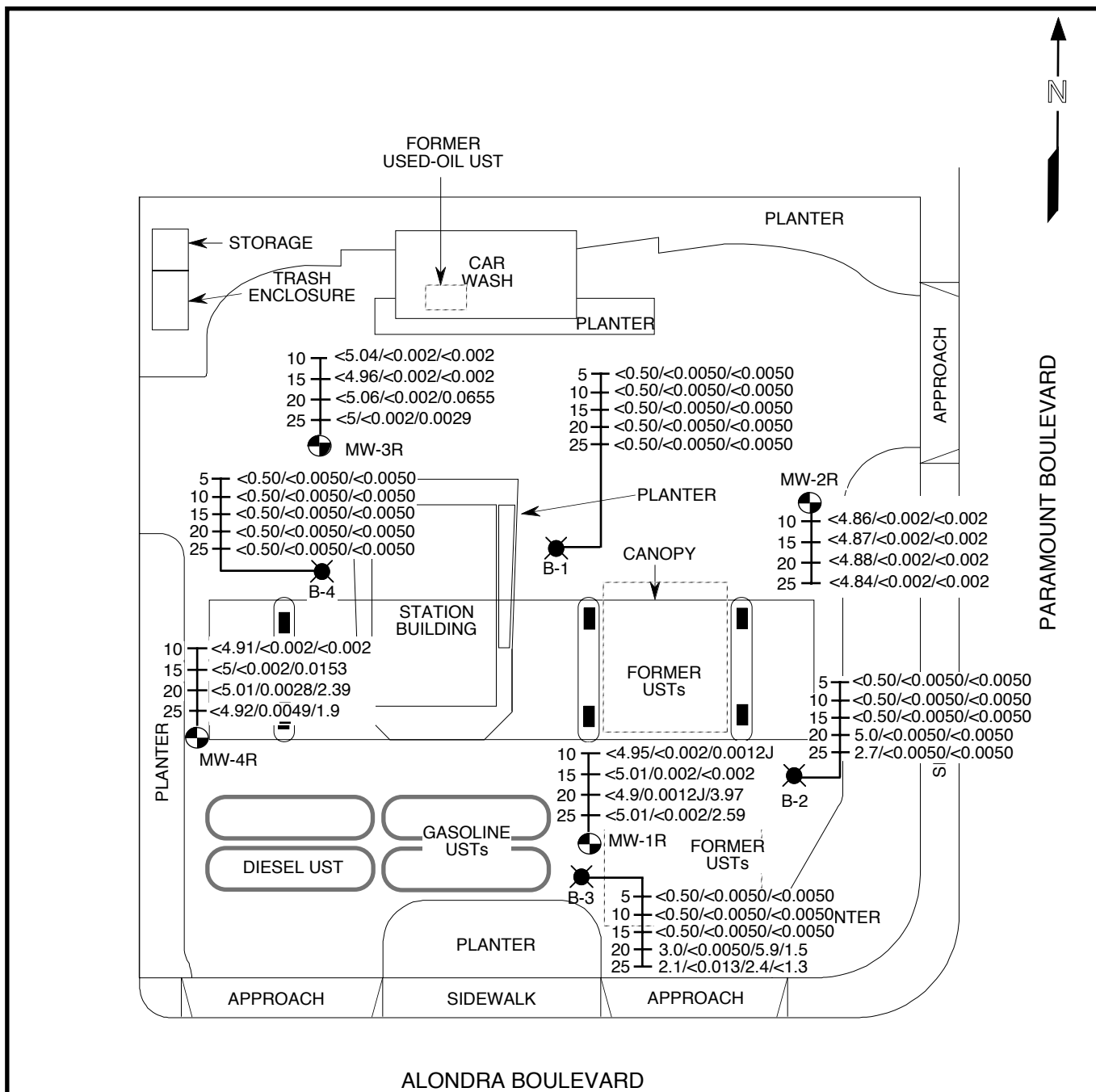
LEGEND	EXXONMOBIL OIL CORPORATION
<p>  GROUNDWATER MONITORING WELL  DIRECT-PUSH SOIL SAMPLING LOCATION </p>	<p> FORMER SERVICE STATION #18-MF0 15757 PARAMOUNT BOULEVARD PARAMOUNT, CALIFORNIA FIGURE 3 - PLOT PLAN </p>
<p> SCALE IN FEET  </p>	<p>HOLGUIN, FAHAN & ASSOCIATES, INC.</p>

REVISION DATE: MARCH 31, 2005: TQ

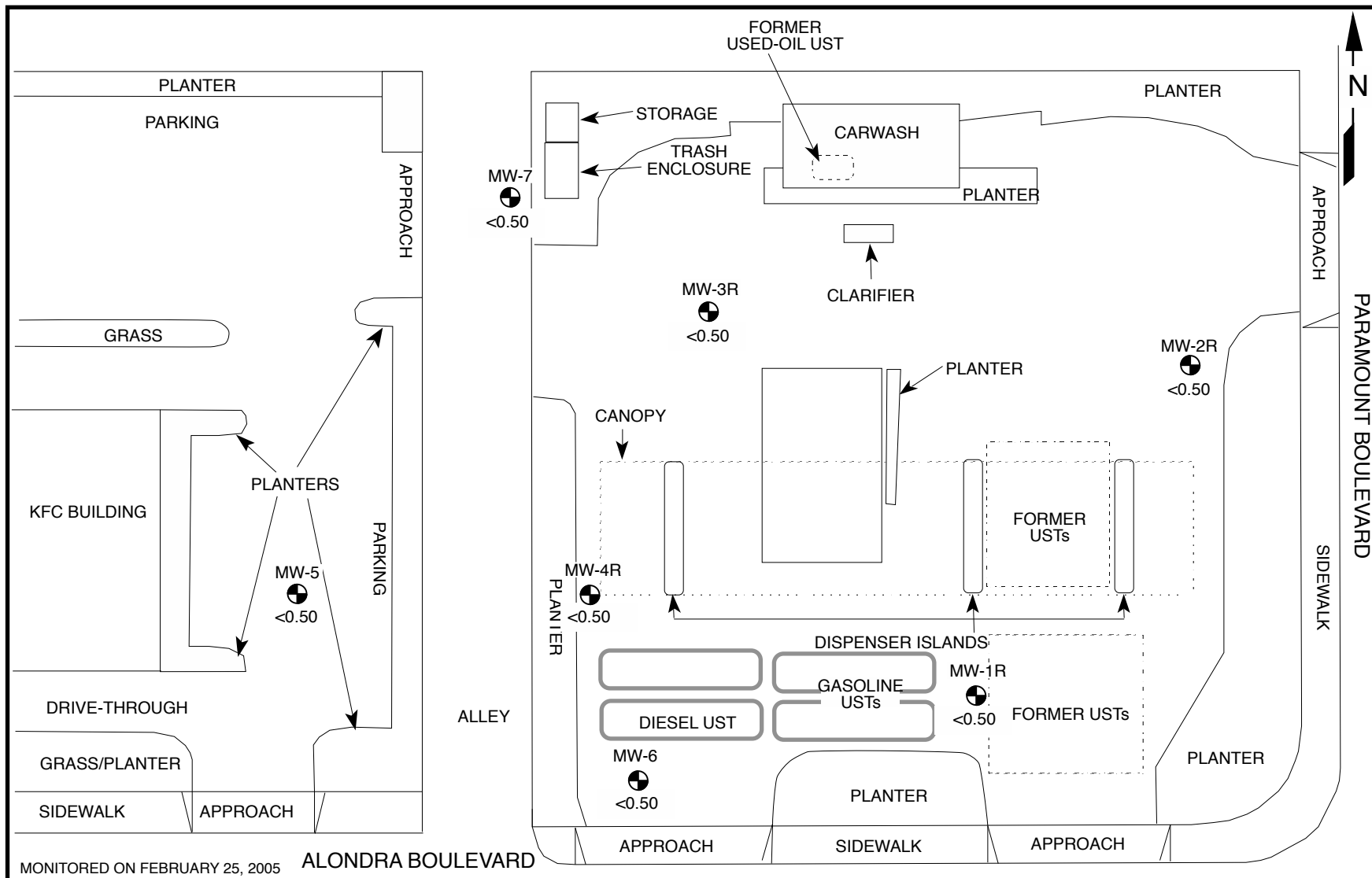


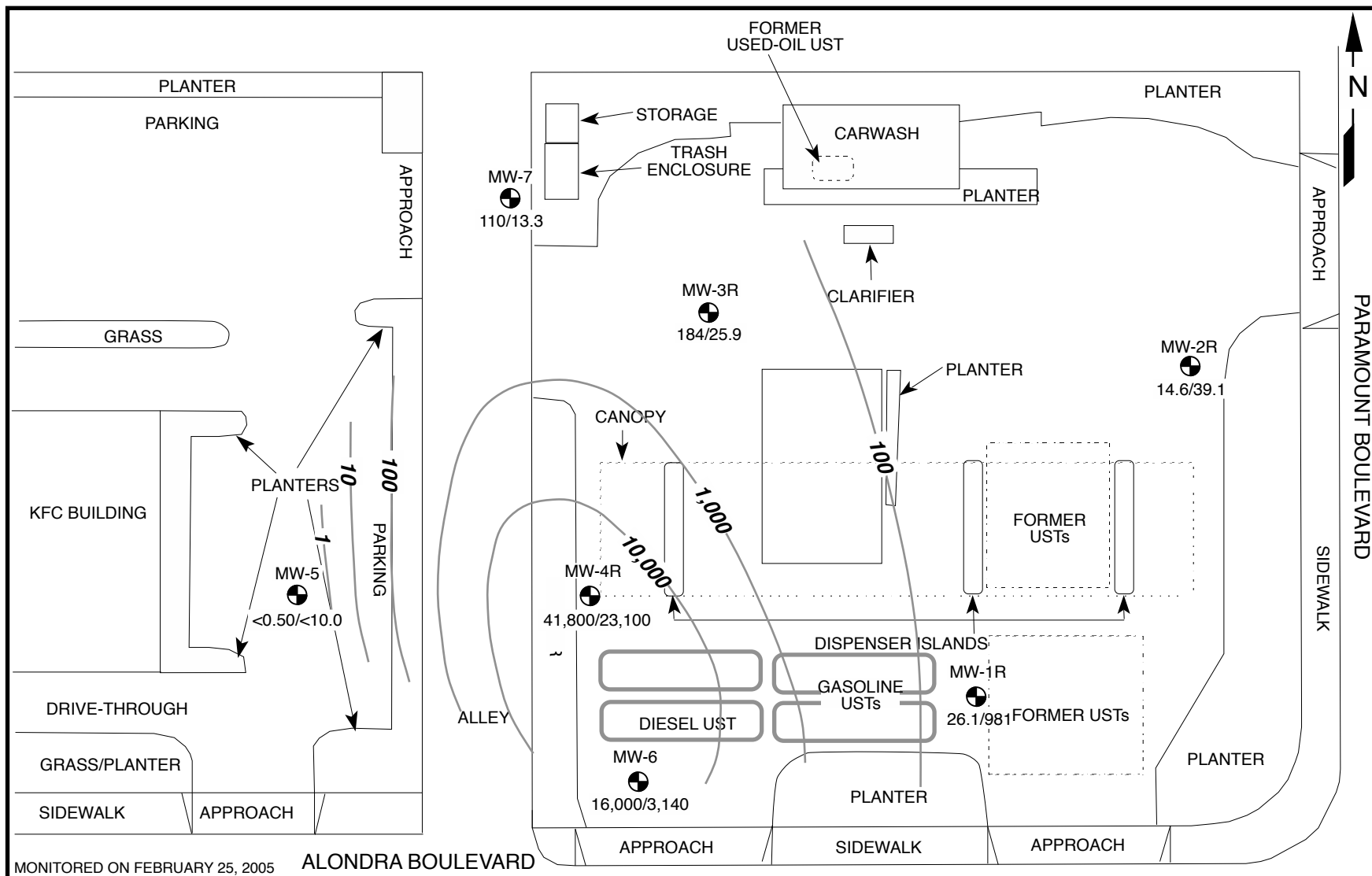
LEGEND			EXXONMOBIL OIL CORPORATION	
	GROUNDWATER MONITORING WELL		<div>FORMER SERVICE STATION #18-MF0 15757 PARAMOUNT BOULEVARD PARAMOUNT, CALIFORNIA FIGURE 4 - GROUNDWATER ELEVATION CONTOUR MAP FOR FIRST QUARTER 2005</div>	
#	GROUNDWATER ELEVATION (feet above MSL)			
52.30	CONTOUR OF GROUNDWATER ELEVATION (feet above MSL)			
	GROUNDWATER FLOW DIRECTION			
			<div>SCALE IN FEET</div> <div></div> <div>01530</div>	
			* ANOMALOUS DATUM NOT USED FOR CONTOURING	
			HOLGUIN, FAHAN & ASSOCIATES, INC.	


REVISION DATE: MARCH 31, 2005: TQ



REVISION DATE: JANUARY 5, 2005: TQ





LEGEND	EXXONMOBIL OIL CORPORATION
<p>  GROUNDWATER MONITORING WELL # MTBE/TBA CONCENTRATIONS IN GROUNDWATER (µg/l) — 1 — CONTOUR OF MTBE CONCENTRATIONS IN GROUNDWATER (µg/l) </p>	<p> FORMER SERVICE STATION #18-MF0 15757 PARAMOUNT BOULEVARD PARAMOUNT, CALIFORNIA FIGURE 7 - MTBE/TBA CONCENTRATIONS IN GROUNDWATER FOR FIRST QUARTER 2005 HOLGUIN, FAHAN & ASSOCIATES, INC. </p>

REVISION DATE: MARCH 31, 2005: TQ



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TABLES

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-MFO, PARAMOUNT, CALIFORNIA

SAMPLE SOURCE	DATE SAMPLED	DEPTH (ftg)	SAMPLE ID	TPH AS GASOLINE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	ETHANOL (mg/kg)	LEAD (mg/kg)	REF
EPA ANALYTICAL METHOD				8015 (M) / 8015B	8260B										6010B	N/A
B-1	3-5-02	5	B-1-5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	10	B-1-10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	15	B-1-15	<0.50	<0.0050	<0.0050	<0.0050	0.0066	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	20	B-1-20	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	5.60	A
	3-5-02	25	B-1-25	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
B-2	3-5-02	5	B-2-5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	10	B-2-10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	15	B-2-15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	20	B-2-20	5.0	<0.0050	<0.0050	0.064	0.23	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	25	B-2-25	2.7	<0.0050	<0.0050	0.0093	0.036	<0.0050	<0.05	<0.01	<0.01	<0.01	--	4.76	A
B-3	3-5-02	5	B-3-5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	10	B-3-10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	15	B-3-15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-5-02	20	B-3-20	3.0	<0.0050	<0.0050	<0.0050	<0.0050	5.9	1.5	<0.01	<0.01	<0.01	--	9.08	A
	3-5-02	25	B-3-25	2.1	<0.013	<0.013	<0.013	<0.013	2.4	<1.3	<0.25	<0.25	<0.25	--	--	A
B-4	3-11-02	5	B-4-5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-11-02	10	B-4-10	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-11-02	15	B-4-15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-11-02	20	B-4-20	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
	3-11-02	25	B-4-25	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.05	<0.01	<0.01	<0.01	--	--	A
MW-1R	10-9-03	10	MW-1R-10	<4.95	<0.002	0.0013J	<0.002	0.0067	0.0012J	<0.0497	<0.0099	<0.002	<0.002	--	--	B
	10-9-03	15	MW-1R-15	<5.01	0.002	0.0015J	<0.002	<0.002	<0.002	<0.0502	<0.01	<0.002	<0.002	--	--	B
	10-9-03	20	MW-1R-20	<4.9	0.0012J	0.0011J	<0.002	<0.002	3.97	0.695	<0.0101	<0.002	0.0024	--	--	B
	10-9-03	25	MW-1R-25	<5.01	<0.002	<0.002	<0.002	<0.002	2.59	0.834	<0.01	<0.002	<0.002	--	--	B
MW-2R	10-9-03	10	MW-2R-10	<4.86	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0503	<0.0101	<0.002	<0.002	--	--	B
	10-9-03	15	MW-2R-15	<4.87	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0505	<0.0101	<0.002	<0.002	--	--	B
	10-9-03	20	MW-2R-20	<4.88	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0502	<0.01	<0.002	<0.002	--	--	B
	10-9-03	25	MW-2R-25	<4.84	<0.002	0.0009J	<0.002	<0.002	<0.002	<0.0498	<0.01	<0.002	<0.002	--	--	B
MW-3R	10-8-03	10	MW-3R-10	<5.04	<0.002	0.0108	0.002	0.0122	<0.002	<0.0499	<0.01	<0.002	<0.002	--	--	B
	10-8-03	15	MW-3R-15	<4.96	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0499	<0.01	<0.002	<0.002	--	--	B
	10-8-03	20	MW-3R-20	<5.06	<0.002	<0.002	<0.002	<0.002	0.0655	0.08	<0.01	<0.002	<0.002	--	--	B
	10-8-03	25	MW-3R-25	<5	<0.002	<0.002	<0.002	<0.002	0.0029	<0.0499	<0.01	<0.002	<0.002	--	--	B

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
EXXONMOBIL OIL CORPORATION FORMER SERVICE STATION #18-MFO, PARAMOUNT, CALIFORNIA

SAMPLE SOURCE	DATE SAMPLED	DEPTH (ftg)	SAMPLE ID	TPH AS GASOLINE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	ETHANOL (mg/kg)	LEAD (mg/kg)	REF
EPA ANALYTICAL METHOD				8015 (M) / 8015B	8260B										6010B	N/A
MW-4R	10-8-03	10	MW-4R-10	<4.91	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0501	<0.01	<0.002	<0.002	--	--	B
	10-8-03	15	MW-4R-15	<5	<0.002	0.0021	<0.002	0.0056	0.0153	<0.0505	<0.0101	<0.002	<0.002	--	--	B
	10-8-03	20	MW-4R-20	<5.01	0.0028	<0.002	<0.002	<0.002	2.39	0.442	<0.0101	<0.002	<0.002	--	--	B
	10-8-03	25	MW-4R-25	<4.92	0.0049	0.0067	<0.002	0.0023	1.9	0.661	<0.0101	<0.002	<0.002	--	--	B
MW-5	2-15-05	10	MW-5-10	<6.44	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0583	<0.0023	<0.0023	<0.0023	<0.233	--	C
	2-15-05	15	MW-5-15	<6.39	<0.0023	0.0016J	<0.0023	0.0036	<0.0023	<0.0568	<0.0023	<0.0023	<0.0023	<0.227	--	C
	2-15-05	20	MW-5-20	<15.3	<0.0021	0.0015J	<0.0021	<0.0021	<0.0021	<0.0534	<0.0021	<0.0021	<0.0021	<0.214	--	C
MW-6	2-15-05	10	MW-6-10	<6.27	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0644	<0.0026	<0.0026	<0.0026	<0.258	--	C
	2-15-05	15	MW-6-15	<4.24	<0.0017	0.0019	<0.0017	<0.0017	0.0027	<0.0435	<0.0017	<0.0017	<0.0017	<0.174	--	C
	2-15-05	20	MW-6-20	<4.19	<0.0019	0.0023	<0.0019	<0.0019	0.0830	<0.0470	<0.0019	<0.0019	<0.0019	<0.188	--	C
MW-7	2-16-05	10	MW-7-10	<5.69	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0563	<0.0023	<0.0023	<0.0023	<0.225	--	C
	2-16-05	15	MW-7-15	<4.98	0.0009J	0.0023	<0.0017	<0.0017	<0.0017	<0.0437	<0.0017	<0.0017	<0.0017	<0.175	--	C
	2-16-05	20	MW-7-20	<4.24	<0.0016	0.0014J	<0.0016	<0.0016	<0.0016	<0.0412	<0.0016	<0.0016	<0.0016	<0.165	--	C

-- = not analyzed. <# = not detected at reporting limit indicated.

A = Holguin, Fahan & Associates, Inc.'s (HFA's) report dated April 9, 2002.

B = HFA's report dated December 1, 2003.

C = HFA's current report.

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
EXXONMOBIL OIL CORPORATION
FORMER SERVICE STATION: 18-MF0

Date Measured	Notes	Well Elevation (feet-MSL) (TOC)	Depth To Ground Water(ft-TOC)	PSH Thickness (feet)	Ground Water Elevation (feet-MSL)	TPH AS GAS (µg/l)	TPH AS DIESEL (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylene (µg/l)	MTBE 8020-8021 (µg/l)	MTBE 8260 (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	EDB (µg/l)	EDC (µg/l)	Lead (µg/l)
EPA ANALYTICAL METHOD						REFER TO ATTACHED LABORATORY REPORTS FOR THE CURRENT QUARTER																
MINIMUM DETECTION LIMIT						REFER TO ATTACHED LABORATORY REPORTS FOR THE CURRENT QUARTER																
MW-1R																						
SCREEN INTERVAL (ftg): 15 to 45																						
10-24-2003		71.48	19.52	0	51.96	4,670	--	<0.50	<0.50	<0.50	<0.50	--	9,850	603	<0.50	<0.50	8.10	--	--	--	--	--
01-20-2004		71.48	20.25	0	51.23	2,810	--	<0.50	<0.50	<0.50	<0.50	--	3,890	147	<0.50	<0.50	3.60	<100	--	--	--	--
04-22-2004		71.48	20.11	0	51.37	615	<50	<0.50	<0.50	<0.50	<0.50	--	2,440	1,720	<0.50	<0.50	1.40	<100	--	--	--	--
08-04-2004		71.48	21.60	0	49.88	872	--	<0.50	<0.50	<0.50	<0.50	--	925	3,850	<0.50	<0.50	0.70	<100	--	--	--	--
11-04-2004		71.48	21.79	0	49.69	117	--	<0.50	<0.50	<0.50	<0.50	--	116	6,720	<0.50	<0.50	<0.50	<100	--	--	--	--
02-25-2005		71.48	20.30	0	51.18	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	26.1	981	<0.50	<0.50	<0.50	<100	--	--	--	--
MW-2R																						
SCREEN INTERVAL (ftg): 15 to 45																						
10-24-2003		71.48	19.67	0	51.81	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	4.50	<10.0	<0.50	<0.50	<0.50	--	--	--	--	--
01-20-2004		71.48	20.26	0	51.22	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	0.60	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
04-22-2004		71.48	20.10	0	51.38	<50.0	<50	<0.50	<0.50	<0.50	<0.50	--	30.9	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
08-04-2004		71.48	21.63	0	49.85	56.5	--	<0.50	<0.50	<0.50	<0.50	--	81.7	7.80J	<0.50	<0.50	<0.50	<100	--	--	--	--
11-04-2004		71.48	21.68	0	49.80	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	33.3	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
02-25-2005		71.48	19.05	0	52.43	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	14.6	39.1	<0.50	<0.50	<0.50	<100	--	--	--	--
MW-3R																						
SCREEN INTERVAL (ftg): 20 to 50																						
10-24-2003		71.55	19.69	0	51.86	<50.0	--	0.40J	<0.50	<0.50	<0.50	--	9.70	<10.0	<0.50	<0.50	<0.50	--	--	--	--	--
01-20-2004		71.55	20.43	0	51.12	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	12.2	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
04-22-2004		71.55	20.22	0	51.33	<50.0	<50	<0.50	<0.50	<0.50	<0.50	--	18.4	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
08-04-2004		71.55	21.00	0	50.55	54.4	--	<0.50	<0.50	<0.50	<0.50	--	66.1	10.5	<0.50	<0.50	<0.50	<100	--	--	--	--
11-04-2004		71.55	22.17	0	49.38	113	--	<0.50	<0.50	<0.50	<0.50	--	114	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
02-25-2005		71.55	19.29	0	52.26	150	--	<0.50	<0.50	<0.50	<0.50	--	184	25.9	<0.50	<0.50	<0.50	<100	--	--	--	--
MW-4R																						
SCREEN INTERVAL (ftg): 15 to 45																						
10-24-2003		71.60	19.90	0	51.70	5,700	--	<0.50	<0.50	<0.50	<0.50	--	17,600	1,160	<0.50	<0.50	5.20	--	--	--	--	--
01-20-2004		71.60	20.45	0	51.15	20,400	--	<0.50	<0.50	<0.50	<0.50	--	20,800	2,000	<0.50	<0.50	8.30	<100	--	--	--	--
04-22-2004		71.60	20.31	0	51.29	8,100	<50	<0.50	<0.50	<0.50	<0.50	--	27,600	12,100	<0.50	<0.50	10.6	<100	--	--	--	--
08-04-2004		71.60	22.15	0	49.45	31,500	--	<0.50	<0.50	0.40J	0.80	--	32,800	10,100	<0.50	0.80	13.1	<100	--	--	--	--
11-04-2004		71.60	21.94	0	49.66	36,400	--	<0.50	<0.50	<0.50	<0.50	--	36,800	10,600	<0.50	<0.50	12.6	<100	--	--	--	--
02-25-2005		71.60	19.27	0	52.33	34,000	--	<0.50	<0.50	<0.50	<0.50	--	41,800	23,100	<0.50	1.10	16.6	<100	--	--	--	--
MW-5																						
SCREEN INTERVAL (ftg): 10 to 40																						
02-25-2005		71.46	19.08	0	52.38	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
EXXONMOBIL OIL CORPORATION
FORMER SERVICE STATION: 18-MF0

Date Measured	Notes	Well Elevation (feet-MSL) (TOC)	Depth To Ground Water(ft-TOC)	PSH Thickness (feet)	Ground Water Elevation (feet-MSL)	TPH AS GAS (µg/l)	TPH AS DIESEL (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylene (µg/l)	MTBE 8020-8021 (µg/l)	MTBE 8260 (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	EDB (µg/l)	EDC (µg/l)	Lead (µg/l)
EPA ANALYTICAL METHOD						REFER TO ATTACHED LABORATORY REPORTS FOR THE CURRENT QUARTER																
MINIMUM DETECTION LIMIT						REFER TO ATTACHED LABORATORY REPORTS FOR THE CURRENT QUARTER																
MW-6																						
SCREEN INTERVAL (ftbg): 10 to 40																						
02-25-2005		71.23	18.85	0	52.38	13,500	--	<0.50	<0.50	<0.50	<0.50	--	16,000	3,140	<0.50	<0.50	5.20	<100	--	--	--	--
MW-7																						
SCREEN INTERVAL (ftbg): 10 to 40																						
02-25-2005		70.32	18.05	0	52.27	86.4	--	<0.50	<0.50	<0.50	<0.50	--	110	13.3	<0.50	<0.50	<0.50	<100	--	--	--	--
TRIP BLANK																						
SCREEN INTERVAL (ftbg): N/A to N/A																						
10-24-2003		N/A	N/A	N/A	N/A	<50.0	--	<0.50	0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	--	--
01-20-2004		N/A	N/A	N/A	N/A	<50.0	--	<0.50	0.30	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
04-22-2004		N/A	N/A	N/A	N/A	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
08-04-2004		N/A	N/A	N/A	N/A	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
11-04-2004		N/A	N/A	N/A	N/A	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--
02-25-2005		N/A	N/A	N/A	N/A	<50.0	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	<10.0	<0.50	<0.50	<0.50	<100	--	--	--	--

ft-TOC = Feet below top of casing. N/A = Not applicable. -- = Not sampled or not analyzed.



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDICES



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 1.

REGULATORY CORRESPONDENCE



California Regional Water Quality Control Board

Los Angeles Region



Terry Tamminen
Secretary for
Environmental
Protection

Over 51 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Arnold Schwarzenegger
Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

November 16, 2004

Ms. Jenee Briggs
ExxonMobil Oil Corporation
3700 West 190th Street, TPT2
Torrance, CA 90509

UNDERGROUND TANK PROGRAM – SOIL AND GROUNDWATER INVESTIGATION EXXONMOBIL #18-MFO 15757 PARAMOUNT BOULEVARD, PARAMOUNT (FILE NO. I-06633A)

Dear Ms. Briggs:

Thank you for your submission of the "WORKPLAN FOR ADDITIONAL SITE ASSESSMENT ACTIVITIES" dated August 25, 2004, and "the third Quarter 2004 Groundwater Monitoring and Progress Report" dated September 20, 2004, prepared by your consultant, the Holguin, Fahan & Associates, Inc. We have reviewed the reports and have the following comments:

I. Site Characterization Workplan

The groundwater monitoring report indicated that petroleum hydrocarbon (up to 31,500 micrograms per liter of TPHg) and methyl tertiary butyl ether [(MTBE) (up to 32,800 micrograms per liter)] were detected in the groundwater. Based on this information, there is no groundwater monitoring well located downgradient from monitoring well MW-4R and the groundwater plume has not been adequately defined. Therefore, the workplan for additional site assessment proposed to install three groundwater monitoring wells to further define the extent of dissolved-phase of petroleum hydrocarbons and MTBE in groundwater. We concur with your workplan, provided you meet the following conditions:

1. The construction, development, and abandonment of groundwater monitoring wells must comply with requirements prescribed in the California Well Standards (Bulletin 74-90), published by the California Department of Water Resources (can be seen at www.dpla2.water.ca.gov and go to "groundwater").
2. Soil samples shall be collected from on-site boring locations per EPA Method 5035 at a minimum of five-foot intervals and logged.
3. **All** groundwater monitoring wells must be surveyed in to a benchmark of known elevation above mean sea level by a licensed land surveyor or registered civil engineer. Prior to collecting groundwater samples, free product thickness (if present) must be determined and the depth to water must be measured in all wells to be sampled. The wells are to be properly purged until the temperature, conductivity, and pH stabilize, and the water is free of suspended and settleable matter, before samples are collected for analysis. Any wells containing free product must be purged to remove any standing product, allowed to equilibrate to prepurged levels and free product thickness measured and removed.

California Environmental Protection Agency



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

November 16, 2004

4. Soil and groundwater samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D); and by EPA Method 8260B for BTEX, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (6/00) (www.waterboards.ca.gov/losangeles/docs/lab_req_6-00.doc). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

II. General Requirements

1. All necessary permits must be obtained from the appropriate agencies prior to the start of work.
2. All reports must conform to the "Guidelines for Report Submittals" published by the Los Angeles County Department of Public Works.
3. All work must be performed by or under the direction of a registered geologist, certified engineering geologist, or registered civil engineer. A statement is required in the report that the registered professional in direct responsible charge actually supervised or personally conducted all the work associated with the project. All technical submittals must contain a wet ink signature and seal by one of the registered professionals.
4. Notify the regional Board at least seven days prior to commencing the field work so that our staff may be present.

You are required to submit a technical report detailing this phase of the investigation to this Regional Board by **April 15, 2005**. Failure to submit the required technical report by the due date, may result in an appropriate enforcement action by the Regional Board.

If you have any questions concerning this matter, please call Mr. Noman Chowdhury at (213) 576-6704.

Sincerely,



Gregg Kwey, P.E.
Senior Water Resource Control Engineer

Cc: Ms. Yvonne Shanks, SWRCB, Underground Storage Tank Cleanup Fund
Ms. Nancy Mastumoto, Water Replenishment District of Southern California
Mr. Tim Smith, Los Angeles County DPW, Environmental Program Division
Mr. James Anderson, Holguin, Fahan & Associates, Inc

California Environmental Protection Agency



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**HOLGUIN,
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ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 2.




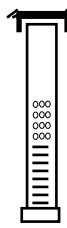




LOGS OF EXPLORATORY BORINGS






LITHOLOGY

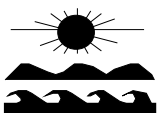
(UNIFIED SOIL CLASSIFICATION SYSTEM)

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS LARGER THAN No. 200 SIEVE	GRAVEL MORE THAN HALF COARSE FRACTION IS LARGER THAN No. 4 SIEVE SIZE	GRAVELS WITH LITTLE OR NO FINES	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH OVER 12% FINES	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND MORE THAN HALF COARSE FRACTION IS SMALLER THAN No. 4 SIEVE SIZE	SANDS WITH LITTLE OR NO FINES	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE-GRAINED SOILS MORE THAN HALF IS SMALLER THAN No. 200 SIEVE	SILT AND CLAY		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILT AND CLAY		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOIL			Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

SYMBOLS AND ACRONYMS

-  SOIL SAMPLE COLLECTED
-  SOIL SAMPLE NOT RECOVERED
-  GROUNDWATER ENCOUNTERED DURING DRILLING
-  WELL BOX WITH LOCKING CAP
-  BLANK SCHEDULE 40 PVC CASING
-  MICROPOROUS BUBBLER
-  SLOTTED SCHEDULE 40 PVC CASING
-  BOTTOM PLUG

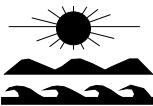
-  ASPHALT
-  CONCRETE
-  BENTONITE/CEMENT GROUT
-  BENTONITE CHIPS OR PELLETS
-  FILTER SAND PACK
- PID = PHOTOIONIZATION DETECTOR
- ppmv = PARTS PER MILLION BY VOLUME
- USCS = UNIFIED SOIL CLASSIFICATION SYSTEM
- fbg = FEET BELOW GRADE
- OD = OUTSIDE DIAMETER



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KEY TO LOG OF EXPLORATORY BORING

SAMPLE		CLIENT: ExxonMobil Oil Corporation			BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL	
INTERVAL	DEPTH (fbg)	PROJECT: Service Station #18-MF0						<input checked="" type="checkbox"/> GROUNDWATER WELL <input type="checkbox"/> VADOSE WELL <input type="checkbox"/> SPARGE WELL <input type="checkbox"/> BORING	CASING: 4-inch Sch-40 PVC
		LOCATION: 15757 Paramount Boulevard, Paramount, CA						SLOT SIZE: 0.02"	
		DESCRIPTION AND SOIL CLASSIFICATION						FILTER PACK: #3 sand	
		NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain							
	0	4" Asphalt			--	--			
	5	SAND: 0/100/0, fine- to medium-grained, poorly graded, light brown, dry, no odor, no stain			--	--	SP		
	10	SAND: 0/100/0, fine- to medium-grained, poorly graded, light brown, dry, no odor, no stain			7,7,8	0			
	15	SAND: 0/100/0, fine- to medium-grained, poorly graded, light gray, moderately moist, no odor, no stain			7,11,13	0			
	20	SILT: 0/0/100, low plasticity, gray, very moist, no odor, no stain			8,9,10	0	ML		
	25	SAND: 0/100/0, fine-grained, poorly graded, gray, wet, no odor, no stain			12,14,16	0	SP		
	30	SAND: 0/100/0, fine- to medium grained			11,14,15	0			
	35								
DRILLING METHOD: CME-75 10-inch OD hollow-stem auger					DATE DRILLED: February 15, 2005				
SAMPLER TYPE: 2-inch CA modified split spoon					LOGGED BY: Tom Shook				
TOTAL BORING DEPTH: 40 fbg					APPROVED BY: Mark Fahan, RG #4279				
DEPTH TO WATER: 19.5 fbg					DRILLED BY: Cascade Drilling, Inc.				



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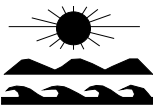
LOG OF EXPLORATORY BORING

MW-5

Page 1 of 2

SAMPLE		CLIENT: ExxonMobil Oil Corporation			BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL	
INTERVAL	DEPTH (fbg)	PROJECT: Service Station #18-MF0		<input checked="" type="checkbox"/> GROUNDWATER WELL <input type="checkbox"/> VADOSE WELL <input type="checkbox"/> SPARGE WELL <input type="checkbox"/> BORING					
		LOCATION: 15757 Paramount Boulevard, Paramount, CA		CASING: 4-inch Sch-40 PVC					
		DESCRIPTION AND SOIL CLASSIFICATION		SLOT SIZE: 0.02"					
NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain		FILTER PACK: #3 sand							
35	SAND: 0/100/0, well graded, fine- to coarse-grained, gray, wet, no odor, no stain	9,9,9	0	SW					35
40	SAND: 0/100/0, well graded, fine- to coarse-grained, gray, wet, no odor, no stain	12,15,20	0						40
Well terminated at 40 fbg									
45									45
50									50
55									55
60									60
65									65
70									70

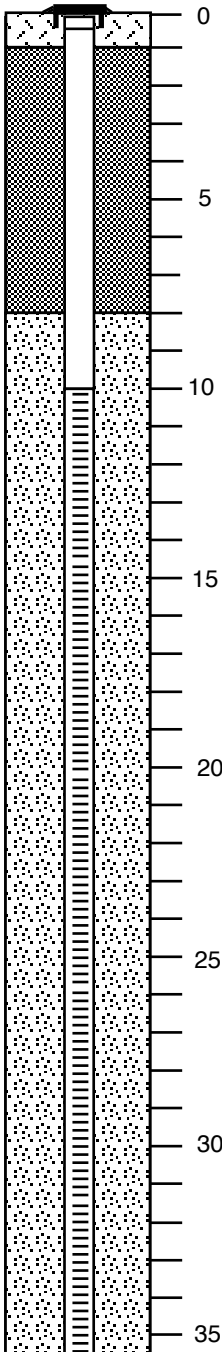
DRILLING METHOD: CME-75 10-inch OD hollow-stem auger	DATE DRILLED: February 15, 2005
SAMPLER TYPE: 2-inch CA modified split spoon	LOGGED BY: Tom Shook
TOTAL BORING DEPTH: 40 fbg	APPROVED BY: Mark Fahan, RG #4279
DEPTH TO WATER: 19.5 fbg	DRILLED BY: Cascade Drilling, Inc.



**HOLGUIN,
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ASSOCIATES, INC.**

LOG OF EXPLORATORY BORING

MW-5
 Page 2 of 2

SAMPLE		CLIENT: ExxonMobil Oil Corporation		BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL		
INTERVAL	DEPTH (ftg)	PROJECT: Service Station #18-MF0					<input checked="" type="checkbox"/> GROUNDWATER WELL	CASING: 4-inch Sch-40 PVC	
		LOCATION: 15757 Paramount Boulevard, Paramount, CA					<input type="checkbox"/> VADOSE WELL		SLOT SIZE: 0.02"
		DESCRIPTION AND SOIL CLASSIFICATION					<input type="checkbox"/> SPARGE WELL		
		NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain					<input type="checkbox"/> BORING		
				FILTER PACK: #3 sand					
	0	12" Concrete		--	--	--			
	5	SAND: 0/100/0, fine- to medium-grained, poorly graded, light brown, dry, no odor, no stain		--	--	SP			
	10	SAND: 0/100/0, fine- to medium-grained, poorly graded, light brown, dry, no odor, no stain		7,7,8	0				
	15	SILTY SAND: 0/85/15, fine-grained, poorly graded, brown, moderately moist, no odor, no stain		5,6,8	0				
	20	SILT: 0/0/100, low plasticity, gray, wet, no odor, no stain		9,11,12	0	ML			
	25	CLAYEY SILT: 0/0/100, low plasticity, gray, wet, no odor, no stain		12,14,16	0	CL			
	30	SANDY SILT: 0/25/75, brown, low plasticity, gray, wet, no stain, very slight sweet odor		7,11,13	15	ML			
	35								

DRILLING METHOD: CME-75 10-inch OD hollow-stem auger

DATE DRILLED: February 15, 2005

SAMPLER TYPE: 2-inch CA modified split spoon

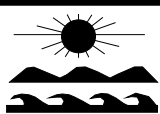
LOGGED BY: Tom Shook

TOTAL BORING DEPTH: 40 fbg

APPROVED BY: Mark Fahan, RG #4279

DEPTH TO WATER: 19.5 fbg

DRILLED BY: Cascade Drilling, Inc.

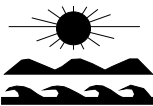


**HOLGUIN,
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LOG OF EXPLORATORY BORING

MW-6

Page 1 of 2

SAMPLE		CLIENT: ExxonMobil Oil Corporation			BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL	
INTERVAL	DEPTH (fbg)	PROJECT: Service Station #18-MF0		<input checked="" type="checkbox"/> GROUNDWATER WELL <input type="checkbox"/> VADOSE WELL <input type="checkbox"/> SPARGE WELL <input type="checkbox"/> BORING					
		LOCATION: 15757 Paramount Boulevard, Paramount, CA		CASING: 4-inch Sch-40 PVC					
		DESCRIPTION AND SOIL CLASSIFICATION		SLOT SIZE: 0.02"					
NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain		FILTER PACK: #3 sand							
	35	SANDY SILT: 0/25/75, brown, low plasticity, gray, wet, no stain, no odor		13,15,16	0	ML			
	40	SANDY SILT: 0/25/75, brown, low plasticity, gray, wet, no stain, no odor		8,10,12	0				
		Well terminated at 40 fbg							
	45								
	50								
	55								
	60								
	65								
	70								
DRILLING METHOD: CME-75 10-inch OD hollow-stem auger				DATE DRILLED: February 15, 2005					
SAMPLER TYPE: 2-inch CA modified split spoon				LOGGED BY: Tom Shook					
TOTAL BORING DEPTH: 40 fbg				APPROVED BY: Mark Fahan, RG #4279					
DEPTH TO WATER: 19.5 fbg				DRILLED BY: Cascade Drilling, Inc.					
 HOLGUIN, FAHAN & ASSOCIATES, INC.		LOG OF EXPLORATORY BORING				MW-6 Page 2 of 2			

SAMPLE		CLIENT: ExxonMobil Oil Corporation			BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL	
INTERVAL	DEPTH (fbg)	PROJECT: Service Station #18-MF0		<input checked="" type="checkbox"/> GROUNDWATER WELL <input type="checkbox"/> VADOSE WELL <input type="checkbox"/> SPARGE WELL <input type="checkbox"/> BORING					
		LOCATION: 15757 Paramount Boulevard, Paramount, CA		CASING: 4-inch Sch-40 PVC					
		DESCRIPTION AND SOIL CLASSIFICATION		SLOT SIZE: 0.02"					
NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain				FILTER PACK: #3 sand					
	0	5" Asphalt		--	--	--	SP		
	5	SAND: 0/100/0, fine- to medium-grained, poorly graded, dry, no odor, no stain		--	--				
	10	SAND: 0/100/0, fine- to medium-grained, poorly graded, dry, no odor, no stain		4,7,8	0				
	15	SANDY SILT: 0/20/80, low plasticity, fine-grained sand, dark brown, moderately moist, no odor, no stain		8,10,11	0	ML			
	20	SANDY SILT: 0/5/95, low plasticity, fine-grained sand, dark brown, very moist, no odor, no stain		8,10,12	0				
	25	SILTY SAND: 0/80/20, fine-grained sand, poorly graded, greenish gray, wet, no odor, no stain		7,8,10	0	SP			
	30	SAND: 0/100/0, fine- to medium-grained, poorly graded, gray, wet, no odor, no stain		8,10,11	0				
	35								
DRILLING METHOD: CME-75 10-inch OD hollow-stem auger				DATE DRILLED: February 16, 2005					
SAMPLER TYPE: 2-inch CA modified split spoon				LOGGED BY: Tom Shook					
TOTAL BORING DEPTH: 40 fbg				APPROVED BY: Mark Fahan, RG #4279					
DEPTH TO WATER: 19.5 fbg				DRILLED BY: Cascade Drilling, Inc.					



**HOLGUIN,
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LOG OF EXPLORATORY BORING

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Page 1 of 2

SAMPLE		CLIENT: ExxonMobil Oil Corporation			BLOWS PER 6 INCHES	PID (ppmv)	USCS	COMPLETION DETAIL	
INTERVAL	DEPTH (fbg)	PROJECT: Service Station #18-MF0		<input checked="" type="checkbox"/> GROUNDWATER WELL <input type="checkbox"/> VADOSE WELL <input type="checkbox"/> SPARGE WELL <input type="checkbox"/> BORING				CASING: 4-inch Sch-40 PVC SLOT SIZE: 0.02" FILTER PACK: #3 sand	
		LOCATION: 15757 Paramount Boulevard, Paramount, CA							
		DESCRIPTION AND SOIL CLASSIFICATION							
NAME: %gravel/sand/fines, gradation/plasticity, color, angularity, maximum size (gravels), density/consistency, moisture, stain									
	35	SAND: 0/100/0, fine- to medium-grained, poorly graded, gray, wet, no odor, no stain		4,6,8	0	SP			
	40	SAND: 0/100/0, fine- to medium-grained, poorly graded, gray, wet, no odor, no stain		10,12,14	0				
Well terminated at 40 fbg									
	45								
	50								
	55								
	60								
	65								
	70								
DRILLING METHOD: CME-75 10-inch OD hollow-stem auger				DATE DRILLED: February 16, 2005					
SAMPLER TYPE: 2-inch CA modified split spoon				LOGGED BY: Tom Shook					
TOTAL BORING DEPTH: 40 fbg				APPROVED BY: Mark Fahan, RG #4279					
DEPTH TO WATER: 19.5 fbg				DRILLED BY: Cascade Drilling, Inc.					
		HOLGUIN, FAHAN & ASSOCIATES, INC.		LOG OF EXPLORATORY BORING			MW-7 Page 2 of 2		



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 3.

ENCROACHMENT PERMIT

Tract #:

Issued By: RRICO
Issued Date: 24-JAN-05



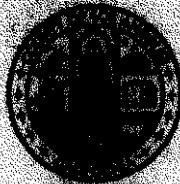
Permit #: PCEA 200500239

Related Permit:

Permit Office: 4

COUNTY OF LOS ANGELES-DPW Department Of Public Works Alhambra, CA 91803 - (626)458-3129			
PC-MONWELL MONITORING WELL		Encroachment (Annual)	
Individual's / Company Name	Address / City, State Zip	Work Phone	Home Phone
(APP) HOLQUIN FAHAN & ASSOCIATES	143 S. FIGUEROA ST. VENTURA, CA 93001	(805)585-6371	
(CNT) HOLQUIN FAHAN & ASSOCIATES	143 S. FIGUEROA ST. VENTURA, CA 93001	(805)585-6371	
Emergency Contact			
Location			
Site Address: 15757 PARAMOUNT BL Description:			
Scope of Work			
PURPOSE: INSTALLATION OF MONITORING WELL AND TAKING OF SAMPLES. PERMIT EXPIRES ONE YEAR FROM DATE OF ISSUANCE. TO INSTALL AND MONITOR ONE MONITORING WELL. TRAFFIC CONTROL PER STATE OF CALIFORNIA OF TRAFFIC CONTROL MANUAL HANDBOOK.			
Permit Detail			
ATTACHMENT	:	LAPWRP612R	
ROAD DEPARTMENT NO.	:	PAR446	
THOMAS GUIDE	:	735-H5	
Comments			
RRICO	24-JAN-05	RECEIPT NUMBER 05-00379 FOR PERMIT NUMBER 200500239.	
Fees	Fee Code	Account Code	Amount
INSPECT MONITORING WELLS	PCMONWELL	B03_8345	\$319.00
ISSUANCE FEE ENCROACHMENT	PC053003	B03_8333	\$43.00
Total Fees:			\$362.00
			CHECK





Permit #: **PCEA 200500239**

By: RRICO

Date: 24-JAN-05

Related Permit:

Permit Office: 4

Is hereby permitted to complete scope of work on the public highways subject to provisions required by County of Los Angeles Highway Permit Ordinance (Division 1 of Title 16, Los Angeles County Code), the Municipal Code, and City Ordinances governing the area where this work is to be done, and the attachments hereto specified. Permit revocable at option of Public Works Director, in consideration of granting of this permit, it is agreed by the applicant that the County of Los Angeles and/or the city wherein the permit work is to be performed and any of their officers or employees thereof shall be saved harmless by the applicant from any liability or responsibility for any accident, loss, or damage to persons or property, happening occurring as the proximate result of any of the work undertaken under the terms of this application and the permit or permits which may be granted in response thereto, and that all of said liabilities are hereby assumed by the applicant. It is further agreed that if any part of this installation interferes with the future use of the highway by the general public, it must be removed or relocated, redesignated by the Director of Public Works or Superintendent of Streets, at the expense of the permittee or his successor in interest. The permit is void if the permittee is not in compliance with Section 3500 of the Labor Code.

Performance of the work of activity under this permit is tantamount to agreeing to the conditions of this permit. Copy of this permit shall be kept at work site during period of operation within District's Road Right of way and shall be shown to District's representatives or any law enforcement officer upon demand.

INSPECTION REQUIRED

CALL PERMIT OFFICER 24 HOURS BEFORE STARTING WORK UNDER THIS PERMIT. FAILURE TO DO SO IS CAUSE FOR REVOCATION OF THIS PERMIT. THIS PERMIT IS VOID IF WORK NOT STARTED IN 60 DAYS (FOR ROAD PERMIT) OR 180 DAYS (FOR FLOOD PERMIT) FROM THE DATE OF THE ISSUANCE.

PERMIT OFFICE NO. PCHD
CON Hollydale Office
11282 SOUTH GARFIELD AVENUE
HOLLYDALE, CA
PHONE NO. 323-773-4834
FAX NO. 362-509-2895



THESE REQUIREMENTS ARE ATTACHED TO AND MADE A PART OF PERMIT NO. PCEA
200500239

2005

DATE: January 24,

Construction and Encroachment Permit Requirements

GENERAL REQUIREMENTS

1. All work shall comply with the current "GREENBOOK" (Standard Specifications for Public Works Construction) and "GRAYBOOK" (Additions and Amendments to the Standard Specifications for Public Works Construction), and applicable State and Local laws.
2. If at any time subsequent to the exercising of this Permit it becomes necessary again to repair such surface due to settlement or any other cause directly attributed to this Permit, the permittee shall pay the Director the cost of such additional repair or, the Director may require the permittee to make the repair. (Highway Permit Ordinance Section 16.14.040)
3. Authorization for excavations for removal or construction of substructures by this Permit require the Permittee to receive a "ticket number" from Underground Service Alert, telephone number 1-800-422-4133, and said "Ticket number" is entered on the face of the Permit by the permittee. Underground Service Alert requires a minimum of 48 hours notice prior to the beginning of excavation to verify the location of existing underground facilities. "GREENBOOK" (Section 5)

TRAFFIC REQUIREMENTS

1. Special Traffic Control Provisions must comply with current "GRAYBOOK" (Section 7-10.3) and "GREENBOOK" (Section 7-10) requirements unless a specific control plan is approved as part of the Permit.
2. No street shall be closed without prior approval of the Director or authorized representative. A written request, along with a traffic plan prepared by a civil engineer, an application must be to the County of Los Angeles Department of Public Works, Attention: Construction Division Permits Engineer, P.O. Box 1460, Alhambra, CA 91802-1460.
3. Streets to be posted, as "TEMPORARY NO PARKING" must be done 48 hours prior to starting work. Only County approved "TEMPORARY NO PARKING" signs shall be used. Signs are available for purchase at each Department of Public Works Permit Office.

REQUIREMENTS FOR PAVEMENT RESURFACING IN HIGHWAY PERMITTEE TO REPAIR

1. Installation of temporary or new pavement resurfacing must comply with Section 306-1.5 of the "GREENBOOK" and "GRAYBOOK"

200500239



**HOLGUIN,
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ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 4.

SOIL BORING, DIRECT-PUSH SAMPLING, AND WELL CONSTRUCTION PROCEDURES

SOIL BORING, DIRECT-PUSH SAMPLING, AND WELL CONSTRUCTION PROCEDURES

PRE-DRILLING PROTOCOL

Planning

Prior to the start of drilling, necessary permits, site access agreements, and/or encroachment permits are obtained. As-built drawings are obtained if possible. At least 2 weeks in advance of drilling, notifications are made to the property owner, client representative, on-site facility manager, regulatory agency, and/or other appropriate parties. At least 48 hours prior to drilling, Underground Service Alert of Southern California, Arizona Blue Stake, or an equivalent utility locating service is notified. A geophysical survey may be conducted to locate subsurface utilities. Site plans and/or as-built drawings are compared to actual conditions observed at the site. The property owner/retailer is interviewed to gain information about locations of former UST systems (including dispensers, product lines, and vent lines). A visual inspection is made of the locations of the existing UST system, and scars and patches in pavement are noted. The critical zone, which is defined as 10 feet from any part of the UST system as well as the area between the dispensers and USTs, is identified, and any proposed drilling locations within the critical zone may be subject to special hole clearance techniques. Drilling locations within the critical zone are avoided if possible.

A site-specific, worker health and safety plan, including a JSA and traffic control plan for all soil sampling locations for the site, is available at all times during drilling activities. Prior to commencing field activities, a health and safety meeting is held among all on-site personnel involved in the operations, including subcontractors and visitors, and is documented with a health and safety meeting sign-in form. The emergency shut-off switch for the service station is located prior to the start of the drilling activities. A fire extinguisher and "No Smoking" signs (and Proposition 65 signs in California) are present at the site prior to the start of the drilling activities.

In order to determine the natural subsurface conditions, better recognize fill conditions, and prevent cross contamination, the first sampling location is generally located the furthest from any suspected underground improvement.

When drilling a soil boring in asphalt or concrete, a minimum 10-inch round cut is made. When advancing a direct-push location, a minimum 3.5-inch round cut is made.

Hole Clearance

The minimum hole clearance depths are 5 feet below grade (fbg) outside the critical zone and 8 fbg within the critical zone and are conducted as follows:

- 0 to 5 fbg: The area to be cleared exceeds the diameter of the largest tool to be advanced and is large enough to allow for visual inspection of any obstructions encountered. The first 1 to 2 feet of soil or fill is removed by hand digging, then the borehole is probed using a blunt-tipped tool to ensure that no obstructions exist anywhere near the potential path of the drill auger or push-type sampler. Probing is extended laterally as far as possible. Hand augering or post-hole digging then proceeds, but only to the depth that has been probed. If subsurface characteristics prohibit effective probing, a hand auger is carefully advanced past the point of probing. In this case, sufficient hand augering or post-hole digging is performed to remove all the soil in the area to be delineated. For soil borings located outside of the critical zone, an attempt should be made to probe an additional 3 feet.
- 5 to 8 fbg: For the soil borings located inside the critical zone, probing and handclearing an additional 3 feet is performed. If probing is met with refusal, then trained personnel advance a hand auger without excessive force.

Alternate or additional subsurface clearance procedures may also be employed, as required by clients, permit conditions, and/or anticipated subsurface conditions (for example, near major utility corridors or in hard soils). Alternate clearance techniques may include performing a geophysical investigation or using an air knife or water knife. If subsurface conditions prevent adequate subsurface clearance, the field activities cease until the client gives written approval of a procedure for continuation.

When pea gravel, fill sand, or other non-indigenous material is encountered, the sampling location is abandoned unless the absence of subsurface facilities can be demonstrated and client approval to proceed is obtained. If hole clearance activities are conducted prior to the actual day of drilling, the holes are covered with plates and/or backfilled.

If any portion of the UST system is encountered, or if there is any possibility that it has been encountered, the work ceases, and the client is notified immediately. If there is reason to believe that the product system has been damaged, the emergency shut-off switch is activated. The client will decide if additional uncovering by hand is required. If it is confirmed that the UST system has been encountered, tightness tests are performed as required by the client. The hole is backfilled only with client approval.

SOIL SAMPLING PROCEDURES

Soil samples are collected using one of the following methods:

- Manual drilling: Manual drilling utilizes a hand auger. Soil samples are collected with a drive sampler outfitted with steel or brass sleeves. The specific equipment used is noted on a log of exploratory boring.
- Truck-mounted, powered drilling: Truck-mounted, powered drilling utilizes hollow-stem flight auger drilling, air rotary drilling, percussion hammer drilling, or similar technologies. Soil samples are collected in steel or brass sleeves with a California-modified, split-spoon sampler or, for specific projects, a continuous sampler. The specific equipment used is noted on a log of exploratory boring.
- Direct push sampling: Direct push sampling utilizes Geoprobos, cone penetrometer testing rigs, or similar technologies. Soil samples are collected with a drive sampler outfitted with steel, acetate or brass sleeves. The specific equipment used is noted on a log of soil sample descriptions.

Before each soil sampling episode, the sampling equipment is decontaminated using a non-phosphate soap and water wash, and two tap-water rinses. The drill augers or direct-push rods are decontaminated with a steam cleaner between each soil boring (truck-mounted rigs).

Soil samples that are collected in sample sleeves are covered with aluminum foil or Teflon tape followed by plastic caps. If EPA Method 5035 is required, then 5 to 20 grams of soil is extracted from the sample and placed in methanol-preserved containers supplied by the laboratory, or subsamples are collected using Encore samplers. During the sampling process, soil samples and cuttings are field screened for VOCs using a photoionization detector calibrated to an isobutylene or hexane standard. The calibration information is recorded on an equipment calibration log. Any soil staining or discoloration is visually identified. Soils are classified according to the Unified Soil Classification System. Specific geologic and hydrogeologic information collected includes grading, plasticity, density, stiffness, mineral composition, moisture content, soil structure, grain size, degree of rounding, and other features that could affect contaminant transport. All data are recorded on a soil boring log under the supervision of a geologist registered in the state in which the site is located. The samples are labeled, sealed, recorded on a chain-of-custody record, and chilled to 4°C in accordance with the procedures outlined in the California State Water Resources Control Board's Leaking Underground Fuel Tank Field Manual or the Arizona Department of Environmental Quality's (ADEQ's) Leaking Underground Storage Tank Site Characterization Manual. Sample preservation, handling, and transportation procedures are consistent with Holguin, Fahan & Associates, Inc.'s quality assurance/quality control procedures. The samples are transported in a chilled container to a state-certified, hazardous waste testing laboratory.

Cuttings from the soil borings are stored in 55-gallon, Department of Transportation (DOT) approved drums, roll-off bins, or other appropriate containers, as approved by the client. Each container is labeled as waste material or non-hazardous waste, with the number of the soil boring(s) from which the waste was derived, the date the waste was generated, the generator name, and other pertinent information. The drums are stored at the site of generation, or at another location approved by the client until sample laboratory analytical results are obtained, at which time the soil is disposed of appropriately.

A soil boring log is completed for each soil sampling location and includes the following minimum information:

- date of drilling;
- project name and location;
- soil sample names and depths;
- soil descriptions and classifications;
- standard penetration counts (rigs);
- photoionization detector readings;
- drilling equipment;
- soil boring diameter;
- sampling equipment;
- depth to groundwater in soil boring;
- name of person performing logging;
- name of supervising registered geologist; and
- name of drilling company (rigs and direct push).

HYDROPUNCH GROUNDWATER SAMPLING PROCEDURES

Hydropunch sampling of groundwater is designed for collecting discrete, one-time samples of groundwater for analysis during the drilling or direct-push operations. The Hydropunch sampler consists of a 5-foot long, 1.5-inch diameter screen sheathed by a 2-inch diameter, steel barrel. A disposable point is connected to the bottom of the screen. The Hydropunch assembly is lowered through the hollow-stem auger and driven into the undisturbed soils below the base of the hole, or is pushed into the soil using a direct push rig. The outer sheath is then retracted to expose the screen. A bailer is then lowered into the Hydropunch assembly and retrieves a sample of the groundwater within the assembly.

The extracted groundwater is collected in chilled, 40-milliliter, volatile organic analysis vials having Teflon-lined caps, or other appropriate containers as required by the respective analytical method. For organic compound analyses, hydrochloric acid preservative is added to all containers by the laboratory to lower sample pH. Samples are held at 4°C while in the field

and in transit to the laboratory. Analysis is performed by a state-certified, hazardous waste testing laboratory.

Documentation requirements include:

- sample identification number;
- borehole identification number;
- time and date of sample collection;
- depth at which Hydropunch sample was collected;
- name of person collecting sample;
- number and types of sample containers; and
- type of preservative used, if any.

BOREHOLE COMPLETION PROCEDURES

All sampling locations are either properly abandoned or completed as a well.

Abandonment

Each borehole/sample location that is not completed as a well is backfilled with bentonite grout, neat cement, concrete, or bentonite chips with a permeability less than that of the surrounding soils, and/or soil cuttings, depending on local regulatory requirements or client instructions. Grout is placed by the tremie method. Backfilling is performed carefully to avoid bridging. The type of backfill material is noted on the log.

Well Installation

Wells are designed according to applicable state and local regulations as well as project needs. Details of the well design and construction are recorded on the log and include the following minimum information (in addition to the items noted above for soil borings):

- detailed drawing of well;
- type of well (groundwater, vadose, or air sparging);
- casing diameter and material;
- screen slot size;
- well depth and screen length (± 1 foot);
- filter pack material, size, and placement depths;
- annular seal material and placement depths; and
- surface seal design/construction.

Groundwater monitoring wells are generally designed with 30 feet of slotted casing that crosses the water table, unless site conditions, project needs, or local regulations dictate a different well design. Vadose wells are designed with slotted casing appropriate for the project needs, e.g.

slotted in hydrocarbon-containing intervals for vapor extraction. Air sparging wells are typically designed with 5 feet of slotted casing placed 15 feet below the water table. The sand pack is placed at least two feet above the top of the screen, and at least 3 feet of low permeability seal material is placed between the sand pack and the surface seal, unless shallow groundwater conditions exist (less than 5 fbg). The sand pack and low permeability seal material are placed in the annular space from the bottom up using the tremie method.

When drilling in asphalt, a 24-inch round cut is made for the well pad. When drilling on concrete, a 2 x 2-foot square or 24-inch circle is sawcut. The well cover is traffic-rated and has a white lid with a black triangle painted on it (3 inches per side) or a black lid with a white triangle (3 inches per side). The well pad is completed using concrete of a color matching the existing surface. The well number is labeled on the outside of the well box/pad and the inside of the well box. The number on the outside is painted on with a stencil, stamped, or attached to the well with a metal plate. The number on the inside is written on the well cap with waterproof ink. The casing has a notch or indication on its north side indicating a unique measuring/surveying point. Well casings are capped with a locking or slip well cap.

Well Development

Well development is conducted by the use of surge blocks, bailers, pumps, or other appropriate methods in accordance with the requirements of the California Department of Water Resources Bulletin #74-81 dated December 1981, or ASTM International 4448-85a (as required by the ADEQ). Only formation water is used for surging the well. Well development continues until non-turbid groundwater is produced or turbidity stabilizes. The method of development and the volume of groundwater produced is recorded in the field log. All purged groundwater is held on-site, or at another location approved by the client, in sealed, 55-gallon DOT approved drums or other appropriate containers pending transport to an approved recycling facility.

Well Elevation Survey

The elevation of the north side of the top of well casing (or other appropriate reference point from which the depth to groundwater can be measured) is surveyed to an accuracy of ± 0.01 foot. All measurements are reproduced to assure validity. Surveying may be performed by a state-licensed surveyor if required by state or local regulations. In the state of California, wells are surveyed in accordance with AB2886.

DATA REDUCTION

The data compiled from the soil borings are summarized and analyzed. A narrative summary of the soil characteristics is also presented. The logs are checked for the following information:

- correlation of stratigraphic units among sampling locations;
- identification of zones of potentially high hydraulic conductivity;
- identification of the confining layer;
- indication of unusual/unpredicted geologic features (fault zones, fracture traces, facies changes, solution channels, buried stream deposits, cross-cutting structures, pinchout zones, etc.); and
- continuity of petrographic features such as sorting, grain-size distribution, cementation, etc.

Soil boring/well locations are plotted on a properly scaled map. If appropriate, soil stratigraphy of the site is presented in a scaled cross section. Specific features that may impact contaminant migration, e.g., fault zones or impermeable layers, are discussed in narrative form and supplemented with graphical presentations as deemed appropriate.



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 5.

LABORATORY REPORTS

2/24/05

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 18-MFO
Project Number: .
Laboratory Project Number: 406572.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
MW-5-10	05-A22045	2/15/05
MW-5-15	05-A22046	2/15/05
MW-5-20	05-A22047	2/15/05
MW-6-10	05-A22048	2/15/05
MW-6-15	05-A22049	2/15/05
MW-6-20	05-A22050	2/15/05

Sample Identification

Lab Number

Page 2

Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: _____

Roxanne L. Connor

Report Date: 2/24/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services

Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manager
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22045
Sample ID: MW-5-10
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 8:30
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.6	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	6.44	50.0	2/19/05	9:03	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0583	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Toluene	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.233	1.0	2/23/05	20:36	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0023	1.0	2/23/05	20:36	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.29 g	5.0 ml	2/15/05	8:30	N. Noman	5035
BTX Prep	3.88 g	5.0 ml	2/18/05	13:20	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22045
Sample ID: MW-5-10
Project:
Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	90.	63. - 127.
VOA Surr, 1,2-DCAd4	101.	72. - 134.
VOA Surr Toluene-d8	100.	76. - 122.
VOA Surr, 4-BFB	101.	60. - 138.
VOA Surr, DBFM	95.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22046
Sample ID: MW-5-15
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 8:35
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	81.2	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	6.39	50.0	2/19/05	9:34	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0568	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Toluene	0.0016 J	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Xylenes (Total)	0.0036	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.227	1.0	2/23/05	20:55	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0023	1.0	2/23/05	20:55	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.40 g	5.0 ml	2/15/05	8:35	N. Noman	5035
BTX Prep	3.91 g	5.0 ml	2/18/05	13:21	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22046
Sample ID: MW-5-15
Project:
Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	89.	63. - 127.
VOA Surr, 1,2-DCAd4	93.	72. - 134.
VOA Surr Toluene-d8	101.	76. - 122.
VOA Surr, 4-BFB	100.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22047
Sample ID: MW-5-20
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 8:40
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	73.9	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	15.3	50.0	2/19/05	10:06	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0534	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Toluene	0.0015 J	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.214	1.0	2/23/05	21:15	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0021	1.0	2/23/05	21:15	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Volatile Organics	4.68 g	5.0 ml	2/15/05	8:40	N. Noman	5035
BTX Prep	1.63 g	5.0 ml	2/18/05	13:22	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22047
Sample ID: MW-5-20
Project:
Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	90.	63. - 127.
VOA Surr, 1,2-DCAd4	96.	72. - 134.
VOA Surr Toluene-d8	101.	76. - 122.
VOA Surr, 4-BFB	105.	60. - 138.
VOA Surr, DBFM	99.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22048
Sample ID: MW-6-10
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 11:50
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	88.7	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	6.27	50.0	2/19/05	10:38	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0644	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Toluene	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.258	1.0	2/23/05	21:34	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0026	1.0	2/23/05	21:34	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Volatile Organics	3.88 g	5.0 ml	2/15/05	11:50	N. Noman	5035
BTX Prep	3.99 g	5.0 ml	2/18/05	13:22	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22048

Sample ID: MW-6-10

Project:

Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	89.	63. ~ 127.
VOA Surr, 1,2-DCAd4	93.	72. ~ 134.
VOA Surr Toluene-d8	99.	76. ~ 122.
VOA Surr, 4-BFB	101.	60. ~ 138.
VOA Surr, DBFM	97.	75. ~ 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22049
Sample ID: MW-6-15
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 11:55
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	78.2	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.24	50.0	2/19/05	11:09	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0435	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Toluene	0.0019	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Methyl-t-butyl ether	0.0027	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.174	1.0	2/23/05	21:53	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0017	1.0	2/23/05	21:53	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.75 g	5.0 ml	2/15/05	11:55	N. Noman	5035
BTX Prep	5.90 g	5.0 ml	2/18/05	13:23	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22049
Sample ID: MW-6-15
Project:
Page 2

Surrogate -----	% Recovery -----	Target Range -----
UST surr-Trifluorotoluene	89.	63. - 127.
VOA Surr, 1,2-DCAd4	93.	72. - 134.
VOA Surr Toluene-d8	110.	76. - 122.
VOA Surr, 4-BFB	115.	60. - 138.
VOA Surr, DBFM	96.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22050
Sample ID: MW-6-20
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/15/05
Time Collected: 12:00
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	72.0	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.19	50.0	2/19/05	11:41	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0470	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Toluene	0.0023	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Methyl-t-butyl ether	0.0830	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.188	1.0	2/23/05	22:13	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0019	1.0	2/23/05	22:13	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.32 g	5.0 ml	2/15/05	12:00	N. Noman	5035
BTX Prep	5.97 g	5.0 ml	2/18/05	13:24	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22050

Sample ID: MW-6-20

Project:

Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	90.	63. - 127.
VOA Surr, 1,2-DCAd4	90.	72. - 134.
VOA Surr Toluene-d8	104.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	93.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: **EXXONMOBIL 18-MFO**

Page: 1

Laboratory Receipt Date: **2/17/05**

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample

UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 15.3	51.5	50.0	103	52. - 150.	2590	05-A22047
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0630	0.0500	126	53 - 136	4459	blank
Toluene	mg/kg	< 0.0005	0.0576	0.0500	115	43 - 139	4459	blank
VOA Surr, 1,2-DCAd4	% Rec				103	72 - 134	4459	
VOA Surr Toluene-d8	% Rec				98	76 - 122	4459	
VOA Surr, 4-BFB	% Rec				98	60 - 138	4459	
VOA Surr, DBFM	% Rec				102	75 - 137	4459	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	51.5	50.7	1.57	39.	2590
VOA PARAMETERS						
Benzene	mg/kg	0.0630	0.0608	3.55	34.	4459
Toluene	mg/kg	0.0576	0.0576	0.00	39.	4459
VOA Surr, 1,2-DCAd4	% Rec		100.			4459
VOA Surr Toluene-d8	% Rec		101.			4459
VOA Surr, 4-BFB	% Rec		102.			4459
VOA Surr, DBFM	% Rec		90.			4459

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: EXXONMOBIL 18-MFO

Page: 2

Laboratory Receipt Date: 2/17/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.0	8.96	90	74 - 127	2590
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0527	105	67 - 137	4459
tert-methyl amyl ether	mg/Kg	0.0500	0.0542	108	64 - 142	4459
Tertiary butyl alcohol	mg/kg	0.500	0.309	62	36 - 159	4459
Benzene	mg/kg	0.0500	0.0513	103	76 - 124	4459
Ethylbenzene	mg/kg	0.0500	0.0503	101	70 - 128	4459
Toluene	mg/kg	0.0500	0.0490	98	72 - 125	4459
Xylenes (Total)	mg/kg	0.150	0.146	97	71 - 129	4459
Methyl-t-butyl ether	mg/kg	0.0500	0.0479	96	67 - 138	4459
Ethanol	mg/kg	5.00	6.30	126	48 - 159	4459
Diisopropyl ether	mg/kg	0.0500	0.0500	100	70 - 131	4459
VOA Surr, 1,2-DCAd4	% Rec			94	72 - 134	4459
VOA Surr Toluene-d8	% Rec			101	76 - 122	4459
VOA Surr, 4-BFB	% Rec			100	60 - 138	4459
VOA Surr, DBFM	% Rec			97	75 - 137	4459

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

UST PARAMETERS

TPH (Gasoline Range)	< 0.10	mg/kg	2590	2/19/05	8:32
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PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: EXXONMOBIL 18-MFO

Page: 3

Laboratory Receipt Date: 2/17/05

UST surr-Trifluorotoluene	90.	% Recovery	2590	2/19/05	8:32
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	4459	2/23/05	13:29
tert-methyl amyl ether	< 0.0008	mg/Kg	4459	2/23/05	13:29
Tertiary butyl alcohol	< 0.0114	mg/kg	4459	2/23/05	13:29
Benzene	< 0.0008	mg/kg	4459	2/23/05	13:29
Ethylbenzene	< 0.0005	mg/kg	4459	2/23/05	13:29
Toluene	< 0.0005	mg/kg	4459	2/23/05	13:29
Xylenes (Total)	< 0.0013	mg/kg	4459	2/23/05	13:29
Methyl-t-butyl ether	< 0.0009	mg/kg	4459	2/23/05	13:29
Ethanol	< 0.151	mg/kg	4459	2/23/05	13:29
Diisopropyl ether	< 0.0008	mg/kg	4459	2/23/05	13:29
VOA Surr, 1,2-DCAd4	102.	% Rec	4459	2/23/05	13:29
VOA Surr Toluene-d8	99.	% Rec	4459	2/23/05	13:29
VOA Surr, 4-BFB	104.	% Rec	4459	2/23/05	13:29
VOA Surr, DBFM	101.	% Rec	4459	2/23/05	13:29

= Value outside Laboratory historical or method prescribed QC limits.

Nashville Division

COOLER RECEIPT FORM

BC#



Client Name : HFA, INC.

Cooler Received/Opened On: 2/17/05 Accessioned By: James D. Jacobs

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
 - a. If yes, how many and where: 2 Feet
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

2621

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

TestAmerica
INCORPORATED

ExxonMobil.

406572

Consultant Name: Holguin Fahan & Assoc Inc.

Address: 143 S. Faguvon St.

City/State/Zip: Ventura CA 93001

ExxonMobil Project Mgr: Jenae Briggs

Telephone Number: (805) 652-0244
Fax No.: (805) 652-0793

Sampler Name: (Print) Tom Shook

Sampler Signature: Tom Hood

Report To: James Anderson

Invoice To: (ExxonMobil PM unless otherwise indicate)

Account #: 10166

PO #: 4505824099

Facility ID # 18-MFO

Site Address 15757 Paramount Blvd

City, State, Zip Paramount CA

[illegible]

Special Instructions:

Laboratory Comments:	
----------------------	--

Temperature Upon Receipt: 3.9.0


Sample Containers Intact? ☒ N

VOCs Free of Headspace? Y N

Relinquished by:

Date _____

Received by:

Received by: 

Received by TestAmerica:

Date _____ Time _____

Relinquished by:

Date _____

Received by TestA

Received by TestAmerica:

Date	Time
------	------

2/17/05 255

2/24/05

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 18-MFO
Project Number: .
Laboratory Project Number: 406574.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
MW-7-10	05-A22056	2/16/05
MW-7-15	05-A22057	2/16/05
MW-7-20	05-A22058	2/16/05

Sample Identification

Lab Number

Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: _____

Roxanne L. Connor

Report Date: 2/24/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services

Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manager
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22056
Sample ID: MW-7-10
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/16/05
Time Collected: 8:35
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	79.1	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.69	50.0	2/19/05	12:12	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0563	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Toluene	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.225	1.0	2/23/05	22:32	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0023	1.0	2/23/05	22:32	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	4.44 g	5.0 ml	2/15/05	8:35	N. Noman	5035
BTX Prep	4.39 g	5.0 ml	2/18/05	13:25	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22056

Sample ID: MW-7-10

Project:

Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	89.	63. - 127.
VOA Surr, 1,2-DCAd4	94.	72. - 134.
VOA Surr Toluene-d8	103.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22057
Sample ID: MW-7-15
Sample Type: Soil
Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/16/05
Time Collected: 8:40
Date Received: 2/17/05
Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.4	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.98	50.0	2/19/05	12:44	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0437	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Benzene	0.0009 J	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Toluene	0.0023	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.175	1.0	2/23/05	22:52	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0017	1.0	2/23/05	22:52	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Volatile Organics	5.72 g	5.0 ml	2/15/05	8:40	N. Noman	5035
BTX Prep	5.02 g	5.0 ml	2/18/05	13:26	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22057

Sample ID: MW-7-15

Project:

Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	89.	63. - 127.
VOA Surr, 1,2-DCAd4	94.	72. - 134.
VOA Surr Toluene-d8	114.	76. - 122.
VOA Surr, 4-BFB	127.	60. - 138.
VOA Surr, DBFM	95.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

ANALYTICAL REPORT

HOLGUIN, FAHAN & ASSOCIATES 10166
JAMES ANDERSON
143 SOUTH FIGUEROA STREET
VENTURA, CA 93001

Lab Number: 05-A22058

Sample ID: MW-7-20

Sample Type: Soil

Site ID: 18-MFO

Project:
Project Name: EXXONMOBIL 18-MFO
Sampler: TOM SHOOK

Date Collected: 2/16/05

Time Collected: 8:50

Date Received: 2/17/05

Time Received: 7:55

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	76.6	%		1.0	2/23/05	15:39	Fitzwater	CLP	1488
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.24	50.0	2/19/05	13:15	A. Cobbs	8015B	2590
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**tert-methyl amyl ether	ND	mg/Kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Tertiary butyl alcohol	ND	mg/kg	0.0412	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Benzene	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Ethylbenzene	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Toluene	0.0014 J	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Xylenes (Total)	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Methyl-t-butyl ether	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260B	4459
Ethanol	ND	mg/kg	0.165	1.0	2/23/05	23:11	J. Adams	8260B	4459
**Diisopropyl ether	ND	mg/kg	0.0016	1.0	2/23/05	23:11	J. Adams	8260/SA05-77	4459

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
Volatile Organics	6.07 g	5.0 ml	2/15/05	8:50	N. Noman	5035
BTX Prep	5.90 g	5.0 ml	2/18/05	13:27	A. Cobbs	5035

ANALYTICAL REPORT

Laboratory Number: 05-A22058
Sample ID: MW-7-20
Project:
Page 2

Surrogate	% Recovery	Target Range
-----	-----	-----
UST surr-Trifluorotoluene	90.	63. - 127.
VOA Surr, 1,2-DCAd4	96.	72. - 134.
VOA Surr Toluene-d8	100.	76. - 122.
VOA Surr, 4-BPB	102.	60. - 138.
VOA Surr, DBFM	95.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of detection

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

** = NELAC E87358 Certified Analyte

All results reported on a wet weight basis.

PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: EXXONMOBIL 18-MFO

Page: 1

Laboratory Receipt Date: 2/17/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample

UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 15.3	51.5	50.0	103	52. - 150.	2590	05-A22047
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0630	0.0500	126	53 - 136	4459	blank
Toluene	mg/kg	< 0.0005	0.0576	0.0500	115	43 - 139	4459	blank
VOA Surr, 1,2-DCAd4	% Rec				103	72 - 134	4459	
VOA Surr Toluene-d8	% Rec				98	76 - 122	4459	
VOA Surr, 4-BFB	% Rec				98	60 - 138	4459	
VOA Surr, DBFM	% Rec				102	75 - 137	4459	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	51.5	50.7	1.57	39.	2590
VOA PARAMETERS						
Benzene	mg/kg	0.0630	0.0608	3.55	34.	4459
Toluene	mg/kg	0.0576	0.0576	0.00	39.	4459
VOA Surr, 1,2-DCAd4	% Rec		100.			4459
VOA Surr Toluene-d8	% Rec		101.			4459
VOA Surr, 4-BFB	% Rec		102.			4459
VOA Surr, DBFM	% Rec		90.			4459

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: EXXONMOBIL 18-MFO

Page: 2

Laboratory Receipt Date: 2/17/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.0	8.96	90	74 - 127	2590
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0527	105	67 - 137	4459
tert-methyl amyl ether	mg/Kg	0.0500	0.0542	108	64 - 142	4459
Tertiary butyl alcohol	mg/kg	0.500	0.309	62	36 - 159	4459
Benzene	mg/kg	0.0500	0.0513	103	76 - 124	4459
Ethylbenzene	mg/kg	0.0500	0.0503	101	70 - 128	4459
Toluene	mg/kg	0.0500	0.0490	98	72 - 125	4459
Xylenes (Total)	mg/kg	0.150	0.146	97	71 - 129	4459
Methyl-t-butyl ether	mg/kg	0.0500	0.0479	96	67 - 138	4459
Ethanol	mg/kg	5.00	6.30	126	48 - 159	4459
Diisopropyl ether	mg/kg	0.0500	0.0500	100	70 - 131	4459
VOA Surr, 1,2-DCA _{d4}	% Rec			94	72 - 134	4459
VOA Surr Toluene-d ₈	% Rec			101	76 - 122	4459
VOA Surr, 4-BFB	% Rec			100	60 - 138	4459
VOA Surr, DBFM	% Rec			97	75 - 137	4459

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
-----	-----	-----	-----	-----	-----	-----	-----

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----

UST PARAMETERS					
TPH (Gasoline Range)	< 0.10	mg/kg	2590	2/19/05	8:32

PROJECT QUALITY CONTROL DATA

Project Number:

Project Name: EXXONMOBIL 18-MFO

Page: 3

Laboratory Receipt Date: 2/17/05

UST surr-Trifluorotoluene	90.	% Recovery	2590	2/19/05	8:32
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	4459	2/23/05	13:29
tert-methyl amyl ether	< 0.0008	mg/Kg	4459	2/23/05	13:29
Tertiary butyl alcohol	< 0.0114	mg/kg	4459	2/23/05	13:29
Benzene	< 0.0008	mg/kg	4459	2/23/05	13:29
Ethylbenzene	< 0.0005	mg/kg	4459	2/23/05	13:29
Toluene	< 0.0005	mg/kg	4459	2/23/05	13:29
Xylenes (Total)	< 0.0013	mg/kg	4459	2/23/05	13:29
Methyl-t-butyl ether	< 0.0009	mg/kg	4459	2/23/05	13:29
Ethanol	< 0.151	mg/kg	4459	2/23/05	13:29
Diisopropyl ether	< 0.0008	mg/kg	4459	2/23/05	13:29
VOA Surr, 1,2-DCAd4	102.	% Rec	4459	2/23/05	13:29
VOA Surr Toluene-d8	99.	% Rec	4459	2/23/05	13:29
VOA Surr, 4-BFB	104.	% Rec	4459	2/23/05	13:29
VOA Surr, DBFM	101.	% Rec	4459	2/23/05	13:29

= Value outside Laboratory historical or method prescribed QC limits.



Nashville Division

COOLER RECEIPT FORM

BC#



406574

Client Name : HFA, INC.

Cooler Received/Opened On: 2/17/05 Accessioned By: James D. Jacobs


Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... ☒ YES...NO...NA
 - a. If yes, how many and where: 2 Front
3. Were custody seals on containers?..... ☒ NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... ☒ YES...NO...NA
5. Were custody papers inside cooler?..... ☒ YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... ☒ YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... ☒ YES...NO...NA
8. What kind of packing material used? ☒ Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: ☒ Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... ☒ YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... ☒ YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... ☒ YES...NO...NA
13. Were correct containers used for the analysis requested?..... ☒ YES...NO...NA
14. a. Were VOA vials received?..... ☒ YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... ☒ NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... ☒ YES...NO...NA
16. Were correct preservatives used?..... ☒ YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES... ☒ NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

2621

☒ Fed-Ex

☐ UPS

☐ Velocity

☐ DHL

☐ Route

☐ Off-street

☐ Misc.

19. If a Non-Conformance exists, see attached or comments below:

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

TestAmerica
INCORPORATED

ExxonMobil.

Consultant Name:

Holguin, Fahn & Assoc. Inc.

Address:

Address: 143 S Fisherton St.

City/State/Zip:

State/Zip: Ventura CA 93001

ExxonMobil Project Mgr:

Subject Mgr: Jayne Briggs

Telephone Number:

Fax No.: (805) 652-0793

Sampler Name: (Print)

Tom Shook

Sampler Signature:

From School

Report To:

James Anderson

Invoice To: (ExxonMobil PM unless otherwise indicate)

Account #: 10166

PO #: 450824099

Facility ID #

Facility ID # 18-MPO

Site Address 15757 Paramount Blvd.

City, State, Zip Paramount CA

[illegible]

Special Instructions:

Laboratory Comments:	
----------------------	--

Temperature Upon Receipt:	3.2°C
Sample Containers Intact?	<input checked="" type="checkbox"/> N
VOCs Free of Headspace?	Y N

Relinquished by:

Date _____

Received by

Relinquished by: _____

Date _____

Revised by: Test American:

10

Only 50% 255



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 6.

WELL INSTALLATION PERMIT

NON-PRODUCTION WELLS

DATE:

2-4-05

<input checked="" type="checkbox"/> NEW WELL CONSTRUCTION <input type="checkbox"/> RECONSTRUCTION OR RENOVATION <input type="checkbox"/> DECOMMISSIONING <input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> MONITORING <input type="checkbox"/> CATHODIC <input type="checkbox"/> INJECTION <input type="checkbox"/> EXTRACTION	<input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> OTHER (Specify): _____
---	--	---

WELL LOCATION	SITE ADDRESS		CITY		ZIP CODE
	15757 Paramount Blvd		Paramount		
	Township	Range	Section	Map Book Page/ Grid	
NO. OF WELLS IN EACH PARCEL:			Attach site map with well locations		

WELL STRUCTURE	Type and Size of Production Casing	4" SCHEDULE 40 PVC
	Sanitary / Annular Sealing Material	PLEASE SEE ATTACHMENTS
	Depth of Sanitary / Annular Seal	
	Conductor Casing Seal	

Company	Holguin, Fahan + Associates
Contact Person:	Jeff Nobriga
Address	143 S. Figueroa
City, State Zip	VENTURA, CA 93001
Telephone	(805) 766-8427

Well Owner	ExxonMobil Oil Corporation
Address	3700 W. 190 th STREET
City / Zip Code	TORRANCE, CA
Telephone	
Well Driller	CASCADE DRILLING
Address	11250 E. FIRESTONE BLVD
City / Zip Code	NORWALK, CA
C-57 License No.	C57-717510
Telephone	(562) 929-8176

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS
APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL
CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE
WORK PLAN APPROVAL FROM THIS DEPARTMENT.

WORK PLAN APPROVAL
This Approval is Valid for 180 Days

Date 02-17-05	REHS Robert Hughes
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Conditions

Maintain the required setback for the sewer and water lines

Well Depth log / records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Applicant's Signature ON BEHALF OF ExxonMobil

Applicant Name: (PRINT)
Telephone:

FINAL INSPECTION

Date	REHS
------	------

PERMIT ISSUED

The well log must be submitted to this Department prior to issuance of the final approval

Date	REHS
------	------



**HOLGUIN,
FAHAN &
ASSOCIATES, INC.**

ENVIRONMENTAL MANAGEMENT CONSULTANTS

APPENDIX 7.

WASTE MANIFESTS...PENDING